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Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

SINCE 1871

Volume 136 OCTOBER 16, 1939 Number 16

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Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

Member: Audit Bureau of Circulations

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RECEIVED OCT 16 1939 LIBRARY THE CHEMISTS' CLUB

Argentine Tariff Pact To Be Argued Oct. 16

OPD Washington Bureau
October 9, 1939

Hearings on the proposed tariff bargain between the United States and Argentina will be started here October 16 at 10:00 a.m. The hearings will be held in the hearing-room of the United States Tariff Commission, Eighth and F streets, Northwest.

Appearances scheduled for the first day cover a variety of commodities, from agricultural products in general to wool. Among these are casein, flaxseed and linseed oil, glycerin, quebracho extract, surgical dressing and toothbrushes, tallow, oleo, and oleostearin. The witnesses scheduled to appear with respect to this list of commodities are:—

Casein

American Dry Milk Institute, Roud McCann.

Martin Cantine Company, Holley R. Cantine.

Representative Warren G. Magnuson of Washington.

Rex Paper Company, H. C. Bradford.

Flaxseed and Linseed Oil

American Farm Bureau Federation, W. R. Ogg.

Flax Institute of the United States, T. L. Daniels.

—Continued on page 37

Free Goods Deals Attacked by F.T.C.

OPD Washington Bureau
October 9, 1939

Free goods deals are a major basis of complaints issued by the Federal Trade Commission, charging violations of the Robinson-Patman act by four tobacco manufacturers—the P. Lorillard Company, the Brown & Williamson Tobacco Corporation, the R. J. Reynolds Tobacco Company, and Larus & Bro., Inc. The companies are alleged to have favored by such deals operations of cigaret-vending machines, certain chain stores and other distributors selected to furnish special display services, and dealers selected in various schemes of "missionary" work.

The complaints allege that the companies (1) discriminated in price between different purchasers of their products of like grade and quality; (2) paid to certain customers compensa-

—Continued on page 47

McK.&R. Denied War Tax Recovery

OPD Washington Bureau
October 10, 1939

The Supreme Court of the United States has denied McKesson & Robbins, Inc., a certiorari in its suit to recover Federal income and profits taxes for 1918 on the ground that it was entitled to a deduction under section 234 (a) of the revenue act of 1918 for amortization for war facilities in connection with a building, completed after the date of the entrance of the United States into the World War, and machinery. Obsolescence of the facilities was claimed on the ground they had only a temporary usefulness in manufacturing for war purposes.

The case was originally tried before a one-man jury, and was dismissed on a directed verdit on the ground that the building had not been erected for the purpose of manufacturing war articles. This finding was affirmed by the United States Circuit court of Appeals for the Second Circuit without an opinion.

McKesson & Robbins, Inc., contended that (1) taxpayer is entitled to deduction since building was completed subsequent to entry into war; (2) judgment is void because verdict was directed without rendition of actual verdict and because there were no findings of fact by court; (3) transcript of record, stricken by court below, was sufficient under rules 75 and 76 of Federal Rules of Civil Procedure.

Building 'Trust' Probe Hits Drivers Union

OPD Washington Bureau
October 12, 1939

The first indictment in the Department of Justice's campaign against alegd "trusts" in the construction industry has been returned by the Federal grand jury for the District of Columbia against Drivers, Chauffeurs, and Helpers Local Union No. 639 of the International Brotherhood of Teamsters, Chauffeurs, Stablemen and Helpers of America and five individuals who are officers or business representatives of the local union. The indictment charges violation of section 3 of the Sherman act.

The indictment grew out of alleged obstruction of building operations by a "jurisdictional" dispute between the indicted union and the International Brotherhood of Operating Engineers Local No. 77, as to whose members should be employed in the operation of concrete "mixer" trucks.

Local No. 77 has had jurisdiction over this employment for a long time. The department charged that members of Local No. 639 in endeavors to win jurisdiction employed unreasonable and improper methods. The indictment charges the defendants with unwarranted, unreasonable, and oppressive acts and conspiracy which were not in aid of higher wages, shorter hours, better working conditions for labor, or any other legitimate objects of a labor union.

Pa. Loss Leader Act Invalidated on Appeal

The Superior Court of Pennsylvania has sustained the quashing by a county court of an indictment under the State loss leader law on the grounds that the statute was unconstitutional. The act, passed two years ago, prohibited retail advertising or selling of goods below cost.

Declaring that the legislature had authority to enact for the assurance of fair trade practices, the higher court said that this did not authorize prohibition of selling below cost which, it held, "is not an offense against the public except where it is done with the intent to injure competitors."

Tariff Bargain Extensions Opposed in War Emergency

OPD Washington Bureau
October 11, 1939

Opposition to the negotiations of any additional tariff bargains during a state of war in Europe was expressed by a majority of the witnesses appearing before the Committee for Reciprocity Information at hearings this week on the proposal to negotiate a new agreement with Belgium to replace the one now in effect.

Spokesmen for chemical, glass, textile, and other industries told the committee that, because of present war conditions, normal foreign trade cannot be maintained and the probabilities are that after the war European currencies will be so depreciated that all American tariffs may have to be revised.

This view was held in a brief filed by the Manufacturing Chemists Association, in common with statements filed in behalf of many other industries. The M.C.A. brief said, in part:

It is submitted that, under the conditions of the European war, trade relations between the United States and Belgium are abnormal and restrictive and promise to continue throughout the duration of the conflict. Unfortunately, there appears to be no indication that the present war will terminate in the immediate future.

Any effort under war conditions to adjust rates of duty in the Belgian and United States tariffs is meaningless for the purpose of the reciprocal trade agreement program. An effort to formulate an agreement at the present time to meet the conditions after the conclusion of the war would be exceedingly hazardous, as no one can tell the political and territorial realignments nor the conditions of exchange and currency after the war.

No one can foresee what the conditions will be when hostilities cease. Presumably the need for economic rehabilitation will be so pressing when men are once again returned to industrial production as to result in disastrous competition among nations until some sort of equilibrium is restored. Your committee can hardly be expected to negotiate a treaty dealing with conditions which may prevail when the war ends and about which no one can have any competent knowledge now.

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Nichols Medal Won By Dr. J. M. Nelson

The William H. Nichols Medal of the New York section of the American Chemical Society, one of the highest honors in chemical science, has been awarded for 1940 to Dr. John M. Nelson, professor of organic chemistry at Columbia University, "for important contributions to the chemistry of life processes." Dr. Nelson will receive the medal at a dinner of the New York section March 8.

Dr. J. M. Nelson

Dr. Nelson was cited by the medal

—Continued on page 27

Latin American Trade Possibilities Stressed

The improved potential possibilities of American goods finding a broader consumption in the Americas by reason of the war in Europe were stressed at the twenty-sixth annual National Foreign Trade Council meeting in the Hotel Commodore, this city, October 9-11.

In speaking on the opportunities offered for the sale of medicinals to countries in South America, C. C. Concannon, chief of the Chemical Division of the Department of Commerce, said that several of the warring nations have, during the past decade, made serious inroads into our business with Latin America. Germany has been especially active in pushing its medicinals and pharmaceuticals in Latin America, and it might be added, with phenomenal success. France and the United Kingdom have not met with the same degree of success, but have made progress.

A number of the countries in South America, Mr. Concannon said, have developed substantial domestic medicinal industries in the past decade, and in the present emergency, these industries will no doubt expand. There will continue, however, at least for some time to come, a dependence upon foreign countries for large quantities of finished medicinals, as well as for semi-finished products, and medicinal and pharmaceutical chemicals, for use by local manufacturers.

Mr. Concannon explained that it was logical to assume that much of the medicinal and pharmaceutical business that Latin American countries have been giving to the countries named will be, for some time to come, diverted to the United States. In fact, numerous inquiries which the Bureau of Foreign and Domestic Commerce has been receiving from medicinal importers in South and Central America and the

—Continued on page 47

Flaxseed Expectations in Texas

Something like 17,000 acres was planted to flax for seed in twenty-three counties in Texas last Fall, about two-thirds of the acreage being in the coastal area of the State. The Texas Agricultural Experiment Station, Beeville, estimates that there are in the State more than 1,000,000 acres of potential flaxseed, and feels that rapid strides toward its utilization will be made if favorable market conditions continue.

Texas flax, which was harvested in the Spring, averaged about 10 bushels of seed per acre. The larger part of the seed was reserved for planting, and the United States Agricultural Experiment Station, College Station, estimates that the supply of seed was sufficient for the planting of 250,000 acres this Fall. The extent of the planting will depend on economic, as well as weather conditions. Most of the 1938 planters were reported to contemplate doubling their acreage, and many other farmers have manifested an interest in flax.

State Promotion

In the interest of promoting the cultivation of flax the Department of Agriculture of the State of Taxes issued the following pamphlet during the past growing season:—

Flax is one of the oldest cultivated plants. While it is a new crop in Texas, fiber flax was grown in the Atlantic seaboard by the early colonists. However, with the advent of the cotton gin, the acreage diminished gradually until it was no longer grown, as cotton proved to be the least expensive fiber crop.

Flaxseed is a source of linseed oil, the valuable drying oil used in the manufacture of varnishes, paints, linoleum, and other products. After extracting the oil from the seed, a valuable by-product remains in the form of linseed cake, which is highly digestible and is used as a concentrated livestock feed. Certain types of cottonseed oil machinery now in use in Texas are adaptable, in their present form, to the crushing of flaxseed.

The flax which is being grown at the present time in Texas is seed flax, and is grown as a Winter crop in the area south of a line drawn from Beaumont to Del Rio. Doubtless if the crop proves profitable, planting as a Spring crop will spread throughout northern and western Texas.

While no definite figures are available, it is estimated that approximately 1,000 acres were harvested in 1938, and the estimate for the 1938-39 planting season ranges between 15,000 and 20,000 acres.

The Punjab variety is planted in the irrigated sections and the Bison variety in the dry-land sections. It is possible that these varieties may be replaced shortly with other varieties which show more promise, based on the results of several variety tests conducted by the Texas Agricultural Experiment Station in cooperation with the United States Department of Agriculture. In the selection of these varieties, special attention is given to disease-resistance in addition to yields and adaptability.

The United States requires nearly 33,000,000 bushels of flaxseed a year for industrial purposes. Production in the

—Continued on page 59

Closing Market Developments

(October 13, 1939)

Lime Acetate Higher

Effective October 13 quotation for acetate of lime was advanced 15c. to the basis of $1.90 per 100 pounds. On September 15, last, the market advanced from $1.65 to $1.75 per 100 pounds.

Silver Nitrate Higher

Quotation for silver nitrate advanced ¾c. to 28½c. per pound late in the week. The firmness fully reflected the stronger tone in the London and domestic silver markets.

Bismuth Nitrate Advanced

Prices for bismuth nitrate, hydroxide and oxychloride were higher in conformity with advances made in other derivatives. Nitrate ranged from $1.30 to $1.45 per pound; hydroxide, $3.35 to $3.46 per pound and oxychloride from $3.10 to $3.19 per pound.

Heating Oil Prices Up

Leading suppliers advanced Nos. 2, 3 and 4 heating oils ¼c. per gallon to residence consumers in New York City to a level of 6½c. In Nassau and Westchester counties the price was advanced from 6¼c. per gallon to 6 7/10c.

Cottonseed Oil Stronger

Refined cottonseed oil futures advanced moderately on Friday on covering and new buying on a rise in lard and larger consumption figures than had been expected. January closed at 6.94c. and March 7.11c. According to the Census Bureau figures, consumption of refined cottonseed oil during September was 442,127 barrels, against 299,957 barrels in the previous month and 252,426 barrels in September last year. The visible supply increased 346,300 barrels during September, making the total 1,865,700 barrels, against 2,036,600 barrels a year ago.

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

Dry Colors:—The Import Licensing Department of the United Kingdom Board of Trade reported that in "special circumstances" it was prepared to consider applications for import licenses for dry earth colors.

Invoices:—Portuguese consuls are authorized to visa consular invoices presented to them after thirty days from the date of shipment of the merchandise concerned, without reference to the Portuguese government. The fee for a visa within 30 days from the date of shipment remains 25 paper escudos. For visas after that 30-day period, an additional fee of 50 paper escudos is fixed by the present decree.

U.S. Potash Co. Makes Devilbiss Vice-President

J. C. ('Devil') Devilbiss has been named to succeed the late A. A. Holmes as vice-president of the United States Potash Company, this city.

Mr. Devilbiss was born and educated in Baltimore and entered the fertilizer trade in 1905, associating himself with the Virginia-Carolina Chemical Corporation. He worked his way up to the position of assistant general sales manager, a post he held when he resigned in 1932 to become sales manager for the United States Potash Company. Along with the promotion, he will retain the post of sales manager.

Nitrogen Cartel To Be Dissolved

London, Oct. 10, 1939

It is reported that meetings will shortly be held here to dissolve the International Nitrogen Cartel, first of the commodity regulation plans to be abolished as a result of the war.

The cartel comprised all the European synthetic nitrogen producers and the Chilian nitrate industry. It regulated sales and prices of nitrogen fertilizers and performed a useful function in preventing overproduction. The demand for nitrogen, of course, expands sharply in war, and the dissolution of the cartel should be followed by a substantial increase in the production of natural nitrate in Chile.

Chemical Prices Again Advanced

Further advances characterized the price situation in the markets for heavy and fine chemicals last week, being particularly influential in the latter group. A few important reductions were made, but the net effect was a higher average.

Business continued active and in some spots was specially stimulated by the return of Summer-like weather. Abnormal demands were much reduced in number and volume. Inquiries on new business were still prevalent, and in some instances conditions made it practicable to give these a little better consideration.

Prices were advanced on carbonate and chloride of copper, acetate of lime, anhydrous sulphate of manganese, silicofluoride of magnesia, carbonate and chloride of strontium, refined naphthalene, red prussiate of potash, bismuth and a number of its salts, crude iodine, menthol, soybean protein, and cottonseed hull ash.

Prices were reduced on Straits tin, tetrachloride of tin, antimoniate and silicofluoride of soda, medium grades of gum rosin, acetate-butyrate and acetate-proprionate of cellulose, dried blood, feeding tankage, and pontianak gum chips and nubs.

The REPORTER's composite index number of prices for heavy and fine chemicals rose to 127.9 (100=average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER's index number is now 90.5, compared with 88.9 at this time last year and 90.3 in 1937.

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DCAT Completes Program for Skytop

Business sessions will be held in the two afternoons of the fourth annual Fall meeting and outing of the Drug, Chemical and Allied Trades Section of the New York Board of Trade, October 20 and 21 in Skytop, Pa. These sessions will be started at 3:00 p.m.

Thomas R. Farrell, of *Drug and Cosmetic Industry*, as chairman of the committee on business program, has arranged for the appearance of the following speakers:—

October 20

Dr. Terry M. Townsend, president of the Medical Society of the State of New York, who will speak on "Has the Citizen Abdicated?"

October 21

Dr. Frederic Dewhurst, economist with the Twentieth Century Fund, whose subject will be "Are Distribution Costs Excessive?"

Dr. Amos E. Taylor, of the Division of Finance of the United States Department of Commerce, who will speak on "Current Business Economics."

Prof. Edward C. Acheson, professor of finance at George Washington University,

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N.Y. Textile Chemists Open Season Oct. 27

The New York Section of the American Association of Textile Chemists and Colorists will hold the first meeting of the 1939-40 season October 27 in the Swiss Chalet, Rochelle Park, N. J. The business session will be opened at 8:00 p.m., following dinner, at $1.50, which will be ready at half-past six.

Harry Roger, of the Rolab Photo-Science Laboratories, will demonstrate the new projectoscope, which is a new optical instrument which projects small objects upon a screen at relatively high magnification, rendering visible minute details of texture and color. Through a special attachment on the projectoscope, the surface illumination may be changed to transillumination. Prior to the establishment of the Rolab Photo-Science Laboratories in 1933, Mr. Roger was for eleven years a research associate of Dr. Alexis Carrel at the Rockefeller Institute for Medical

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American Gas Ass'n Elects W.C. Beckjord President

Walter C. Beckjord, vice-president and general manager of the Columbia Gas & Electric Corporation, this city, was elected president of the American Gas Association at the twenty-first annual meeting, held in the Hotel Pennsylvania, October 9-12. Other officers elected were:—

First vice-president, T. J. Strickler, vice-president and general manager of the Kansas City Gas Company, Kansas City, Mo.; second vice-president, George F. Mitchell, president of the People's Gas Light & Coke Company, Chicago, Ill.; treasurer, Ernest R. Acker, president of the Central Hudson Gas & Electric Corp., Poughkeepsie, N. Y.

Directors, two-year terms, Frank H. Adams, president of the Surface Combustion Corporation, Toledo; James B. Black, president of the Pacific Gas & Electric Company, San Francisco; Charles M. Cohn,

—Continued on page 29

Peanut Diversion Loans To Cooperatives Approved

OPD Washington Bureau
October 9, 1939

The Commodity Credit Corporation has been authorized to loan up to $9,000,000 to cooperative peanut grower associations to assist them in carrying out the 1939 peanut diversion program which is administered by the Division of Marketing and Marketing Agreements, according to the Department of Agriculture.

The Commodity Credit Corporation loans will enable four cooperative associations which are conducting the diversion program to finance purchases under the program, and will make it possible for the associations to pay immediately for peanuts they buy from growers. The loans are to be repaid by the associations, from funds received through resale of peanuts and through Federal diversion payments under the program. Similar loan made in past years have

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Paint Technicians To Meet October 25-27

A tentative program for the annual meeting of the Federation of Paint and Varnish Production Clubs, to be held in the Stevens hotel, Chicago, October 25-27, has been released by R. E. Prince, chairman of the program committee.

A meeting of the advisory committee will be held at 6:30 p.m., on October 24, with the Paint Industries Show scheduled to open at 8 a.m., October 25, and remaining open each of the convention days from 8 a.m. to 9 p.m., with the exception of Friday evening, the evening on which the annual banquet will be held, when it will close at 6 p.m. The tentative business program follows:—

Wednesday, October 25

Morning Session

Convention opened by A. E. Stauderman, president of the Federation of Paint and Varnish Clubs.

Address, Ernest T. Trigg, president of the National Paint, Varnish and Lacquer Association.

10:00 a.m. Club papers:—

New England Club:—"A study of Natural Resins in Combination with Synthetic Resins for Floor Varnishes."

Louisville Club:—"Effect of Resins on Kauri Reduction."

Montreal Club:—"Driers III."

Kansas City Club:—"Loss of Drying Power in Brown Paints."

11:30 a.m. Introduction of Paint Show Exhibitors, by J. F. McMenamin.

2:00 p.m. Club papers:—

Chicago Club:—"The Determination in Detail of Losses in Weight and of Shrinkage in Volume During the Heat Processing of a Varnish."

Toronto Club:—"Pigment Settling."

Cleveland Club:—"Humidity and Temperature Effects on Protective Coatings."

6:30 p.m. Advisory committee meeting.

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Tung Oil Shipments Oct. 6 Total 2,132 Tons

OPD Washington Bureau
October 13, 1939

Confirmation of a report that 2,182 long tons of American-owned tung oil were shipped October 6 direct from Hankow to the United States was made today by the Chemical Division of the Department of Commerce. The report on the shipment of this tung oil from Hankow was published in the OIL, PAINT & DRUG REPORTER October 2.

Another shipment of American-owned oil from Hankow which will approximate the same amount is expected to leave Hankow on the steamer Taketoyo Maru later this month. It is estimated that the entire quantity of American-owned tung oil, including the shipment of October 6, destined for the United States, will be between 5,000 and 6,000 tons.

During September the Hankow market was more active. The American Consulate General at Hankow reported that the price of tung oil at that port advanced from 91 Chinese dollars per picul of 133⅓ pounds to 103 Chinese dollars per picul the end of the month. Chinese government purchases amounted to 526 long tons. There were only small lots of oil arriving at Hankow from the interior, averaging about 30 piculs daily. Stocks of oil at Hankow

—Continued on page 37

National Gypsum Sued On Casein Paint Patent

The National Gypsum Company, Chicago, is charged with infringement of the Allen reissue patent No. 16,175, covering the production of casein paint, in a suit entered by Atlantic Research Associates, Inc., Newtonville, Mass., in the United States District Court for the Northern District of Illinois.

The plaintiff claims legal ownership of the Allen patent, and contends the validity of the reissue patent No. 16,175 (original No. 1,477,096 issued in 1923), which was issued in 1925 to the Craftex Company as assignee of Walter B. Allen, and was acquired by the plaintiff by assignment in 1936. It charges that the defendant "has for long time past has been and still is infringing "this patent "by making, using, and selling casein paint embodying the patented inventions." It also declares that it has given written notice of the infringement to the defendant and demands a preliminary and final injunction, an accounting of damages, and an assessment of costs.

Chemical Imports From Germany Dropped in 1938

OPD Washington Bureau
October 10, 1939

United States imports of chemicals and related articles from Germany in 1938 had a total value of about one-third less than those in 1937, according to preliminary statistics compiled by the Department of Commerce. The value of 1938 imports was in the neighborhood of $19,000,000.

Comparisons of imports from Germany with total imports of certain chemicals follow:—

Acid, coaltar, n.s.p.f...lbs.	411,354	367,881
Cresylic .....gal.	1,227,876	255,873
Fatty, n.s.p.f.....lbs.	4,144,080	610,705
Formic .....lbs.	587,947	587,947
Other and anhydrides.lbs.	414,377	318,514
Alkaloids and derivatives, lbs.	3,942	3,069
Ammonium chloride....lbs.	6,781,647	4,784,764
Azo salts.....lbs.	148,919	148,919
Barytes, crude..short tons.	16,498	3,750
Bone ash.....tons.	19,581	5,273
Camphor, synthetic....lbs.	563,773	563,773
Casein and mixtures...lbs.	411,246	1,991
Chemical elements, compounds, mixtures, n.s.p.f. not alcoholic.....	$566,713	379,910
Cobalt oxide.....lbs.	373,215	141,375
Color bases, fast.....lbs.	83,460	82,916
Salts, fast.....lbs.	210,726	148,591
Alizarin, synthetic, dyes, stains, and other finished coaltar .....lbs.	3,316,387	2,013,582
Cryolite .....tons.	12,115	333
Cyanide salts and mixtures, n.s.p.f. .....lbs.	81,793	76,281
Ethylene dibromide....lbs.	1,210,005	1,210,005
Fertilizers, compounded... tons.	7,384	4,478
Nitrogenous, n.s.p..tons.	65,715	15,565
Glue, n.s.p.f.....lbs.	1,003,413	205,606
Glycerin, crude.....lbs.	9,723,371	8,530
Refined .....lbs.	2,567,411	607
Gum, karaya and talka.. lbs.	4,810,937	606,260
Magnesium sulphate, calcined, fertilizer..tons.	14,221	14,220
Nonfertilizer .....tons.	2,897	2,897
Medicinals of animal origin, lbs.	15,971	8,146
Capsules, pills, etc., noncoaltar	$485,852	95,288
Coaltar .....lbs.	39,407	18,053
N.s.p.f. not containing alcohol	$544,742	153,680
Naphthalene, solidifying at less than 79°.....gal.	29,966,305	8,693,329
Naphthol AS and derivatives .....lbs.	108,323	103,639
Similar coaltar products, n.e.s. .....lbs.	1,024,269	879,103
Oil, cod.....gal.	3,037,860	244,340
Codliver .....gal.	5,228,637	930,154
Creosote .....gal.	55,391,590	7,159,220
Medicinal mineral....gal.	896,578	422,148
Photographic chemicals... lbs.	26,239	16,254
Gelatin .....lbs.	737,639	507,432
Pigments, iron oxide and iron hydroxide, synthetic, n.s.p.f. .....lbs.	3,590,329	1,992,713
Paints, stains, n.s.p.f.lbs.	238,984	83,082
Potash carbonate.....lbs.	583,120	428,842
Caustic .....lbs.	972,669	836,036
Chlorate .....lbs.	13,219,895	10,821,315
Chloride .....tons.	199,591	98,326
Kainite, 14%.....tons.	350	359
Kainite, 20%.....tons.	53,403	28,739
Manure salts, 30%..tons.	8,187	4,000
Nitrate, crude.....tons.	13,079	12,554
Nitrate, refined.....lbs.	2,083,892	1,890,782
Prussiate, red.....lbs.	195,102	78,705
Sulphate, crude.....tons.	53,442	35,054
Potash-Magnesia sulphate. tons.	11,748	11,725
Quinine sulphate.....oz.	977,278	153,500
Shellac .....lbs.	12,374,702	427,748
Bleached .....lbs.	178,196	178,084
Soda chlorate.....lbs.	5,156,164	1,620,231
Cyanide .....lbs.	26,387,452	5,566,971
Sulphate, anhydrous.tons.	5,788	5,766
Sulphate, crude.....tons.	127,169	93,406
Sulphide, more than 35%. lbs.	3,017,251	2,483,450
Urea .....tons.	1,123	1,123

Packaging Problems To Be Discussed

The Packaging Institute will hold its first annual meeting October 19 and 20 in the Edgewater Beach hotel, Chicago.

A program of activities for 1940 will be adopted. Divisional sessions will discuss machinery, supplies, and designs. Officers and directors will be elected. The annual banquet will be held in the evening, October 19, following a cocktail party. Arrangements are being handled by H. Kirke Becker, of the Peters Machinery Company; Charles L. Barr, of the F. B. Redington Company; and William Lowenstein, of Bauer & Black.

—Continued on page 46

Ala. Fair Trade Decree Signed by U.S. Judge

Birmingham, Oct. 10, 1939

A consent decree was signed by Federal Judge T. A. Murphree here today, permanently enjoining the Lee Drug Company, et al., from selling nationally advertised products of Mead, Johnson & Co., manufacturer, Evansville, Ind., at less than contracted resale prices under the new Alabama fair trade practices act. Jurisdiction was assumed by the Federal court because of diversity of citizenship on the part of the plaintiff and on account of the fact that the suit included a plea for $25,000 damages.

The claim for damages was dropped when the defendants filed a statement

—Continued on page 46

Strategic Minerals Survey Started by Bureau of Mines

OPD Washington Bureau
October 10, 1939

In a major effort to improve the position of the United States in regard to strategic minerals, the Bureau of Mines now has engineering parties in the field investigating the possibilities of eight mineralized areas, according to Secretary of the Interior Harold L. Ickes.

The action was taken in accordance with the strategic materials act which authorized the Bureau of Mines to appraise ore deposits containing metals that have been designated as strategic by the Secretaries of War, and Navy and the Interior upon advice of the Army and Navy Munitions Board.

The deposits now under investigation include antimony, chrome, manganese, tin and tungsten. When President Roosevelt, commenting on possible foreign war demands recently, called upon owners of commercial stocks of strategic minerals to refrain from selling them to foreign buyers because of their vital necessity to this nation and because of the restricted supply available here, these minerals were among those he named.

The engineering parties now in the field will take samples from the deposits by excavation and drilling to ascertain their possibilities as sources of emergency supplies of these minerals. The work is being carried out in close cooperation with the United States Geological Survey, of the Department of the Interior. The Geological Survey already has carried out extensive geological investigation of ore bodies upon which the Bureau of Mines is conducting exploration projects. The minerals to which the Bureau of Mines is paying particular attention include mercury and nickel in addition to those listed.

The following statement has been made by the Bureau of Mines about these deposits:—

In the Valley county, Idaho, district, there has been in the past considerable production of antimony associated with ores of the precious metals. There are, however, some known deposits in which the values of the precious metals have been too low-grade to warrant their mining. It is believed that a substantial source of antimony will be demonstrated in Valley county that would go far to relieve anxiety as to the supply of this metal in an emergency.

Chrome

The chrome deposits in Sweetgrass and Stillwater counties, Mont., are persistent veins upon which considerable development work has been done in the past. As the ores have been impaired in value by an intimate intermixture of chrome with iron, an important aspect of the problem will be investigations by the metallurgical division of the Bureau of Mines designed to demonstrate ways in which these ores might be most efficiently treated.

—Continued on page 27

Wage-Hour Changes Explained by Andrews

OPD Washington Bureau
October 10, 1939

Under the fair labor standards (wage and hour) law, which enters its second year of operation October 24, the minimum wage that must be paid on all work necessary to the production of goods for interstate commerce rises from 25 cents an hour to 30 cents an hour at midnight October 23. On the same date the workweek for which straight time may be paid is automatically reduced from forty-four hours to forty-two hours.

Questions have arisen regarding payrolls covering workweeks beginning October 23, which include time both before and after the statutory change. In reply to these, Administrator Elmer F. Andrews of the Wage and Hour Division, United States Department of Labor, has announced that, for any workweek beginning October 24, overtime under the act must be paid only if more than forty-four hours are worked. This information is derived from the following opinion prepared for Mr. Andrews by the office of George A. McNulty, general counsel:—

It is our opinion that all hours worked after midnight of Monday, October 23, must be paid for at a rate not less than 30 cents an hour. As far as overtime is concerned, however, it is our opinion that the forty-two hour week applies to the first full workweek beginning on or after midnight, October 23. Section 7 provides that no employer shall employ any of his employees entitled to the benefits of the act " for a workweek longer than forty-two hours during the second year from such date" (October 24, 1939).

Thus, if the employee's workweek begins on Monday, October 23, the employer need pay time and a half only if more than forty-four hours are worked in the period of seven consecutive days from Monday, October 23, through Sunday, October 29, inclusive. The employee in such case did not work "for a workweek longer than forty-two hours during the second year from such date" (October 24, 1939). Beginning Monday, October 30, such employer must pay time and a half after forty-two hours are worked in a workweek. Of course, if the employee's workweek begins on or after midnight October 23, the employer must pay time and a half after forty-two hours are worked in the workweek beginning at such time.

Thus, it may be said generally that an employer need pay time and a half only after forty-four hours are worked in any workweek commencing before midnight, October 23. Let us take another example:—The pay periods of a large number of concerns will end on Wednesday or Thursday, October 25 or October 26. In such cases the forty-two hour maximum will apply beginning October 26 or October 27, as the case may be. It will not apply to the workweek beginning the previous October 18 or October 19. Similarly, the workweek might end on the 24th of October, in which case the forty-two hour standard will begin to apply October 25.

Chemists to Discuss European War Capacity

A symposium on "Central Europe—Its Capacity for War" will be held in the Chemists' Club, this city, October 18 at 8:15 p.m. It is being arranged by a committee headed by L. W. Hutchins. Dinner at $2 will precede the discussion. Ladies are invited.

Dr. Walter S. Landis, vice-president of the American Cyanamid Company, will preside. Dr. J. William Scott will discuss the political and economic status of Central European powers. Dr. Otto Jeidels will speak on Germany's transportation system and steel industry. Miss Antoine Strassman will tell about Germany's air fleet. Dr. James A. Moffett will discuss petroleum phases of the European situation. Guy C. Riddell will discuss nonferrous metals. Dr. John C. DeWilde is expected to discuss food resources.

TNEC Subpenas Head Of Petroleum Retailers

OPD Washington Bureau
October 12, 1939

Sensational charges of attempts to prevent witnesses from testifying before the Temporary National Economic Committee were made today during the oil hearings, with the result that the committee issued a subpena for the appearance next week of Wilmer R. Schu, Milwaukee, president of the National Association of Petroleum Retailers.

The charges against Mr. Schu were made by L. A. Hartley, secretary, and A. W. Hewett, president, of the Petroleum Retailers Association of Kansas City, Mo. At a conference in January, 1939, they said, Mr. Schu threatened to organize a rival retail association in Kansas City unless they agreed to cease offering to appear before TNEC. They declared he also demanded that they cease opposing marketing methods of major companies, refrain from making public statements that the major companies constitute a monopoly, stop offering legal aid to retailers in controversy with majors, stop giving the Department of Justice and the Federal Trade Commission information on activities of majors, observe a formula for fixing retail gasoline prices, and admit that demoralization of the retail gasoline market was caused by the government's Madison suits against major companies.

The two Kansas City witnesses also introduced other evidence to substantiate their allegation that the National Association of Petroleum Retailers, which they declared was a "stooge for

—Continued on page 54

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Mallinckrodt CHEMICAL WORKS

Current Market Quotations

October 13, 1939

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

LIBRARY

A

Acacia (see Gum, Arabic)
Acetal, dmas., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, dms., 55 & 110 gls., works..lb. .11 - —
5 & 10 gls., works.....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs., a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100 lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., bbls.....lb. .22 - —
95%, bbls.....lb. .29 - —
USP, cryst., bbls., 2,000 lb. lots lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25 lb. lots.....lb. .38 - —
kgs., 2,000 lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000 lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25 lb. lots.....lb. .36 - —
kgs., 2,000 lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .55
Acetone, C.P, dms, c.l, dlvd..lb. .07 - —
l.c.l., dms., dlvd.....lb. .07½- —
tanks, dlvd.....lb. .06 - —
Methyl (see M).
Acetophenone, bots.....lb. 1.30 - 1.40
cns., 25 lbs.....lb. 1.15 - 1.26
dms., 100 lbs.....lb. 1.05 - —
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs. .....lb. 1.02 - —
25 lbs. .....lb. 1.05 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E of and including Kans., Neb., N.D., Okla., S. D., Texas E. of Austin and Brownsville..lb. .08¾- —
l.c.l., same terms.....lb. .09 - —
Acetic, comi. or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys. .....100 lbs. 2.78 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys. .....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys. .....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys. .....100 lbs. 6.39 - 6.64
glacial, nat., CP., cbys.100 lbs.14.00 - —
99.5%, bbls.....100 lbs. 7.62 - 7.87
cbys. .....100 lbs. 8.12 - 8.37
USP, bbls.....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
synth., 99.5%, al. dms., 100 lbs. 8.43 - 8.68
cbys. .....100 lbs. 8.93 - 9.18
USP, al. dms.....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
pure, 80%, bbls.....100 lbs. 3.28 - 3.53
cbys. .....100 lbs. 3.78 - 4.03
80%, bbls.....100 lbs. 3.66 - 3.91
cbys. .....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys. .....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys. .....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply div'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acid, acetic, anhydride, dms., c.l., frt. alld..lb. .10¼- .11¼
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls..lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls..lb. .40 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs...lb. .23 - .25
Ascorbic, bots., dms.....oz. 2.75 - 3.00
Battery, cbys, c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.83 - —
10-24, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .69
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - (57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, dlvd. ton.106.00 - —
c.l., dlvd.....ton.111.00 - —
l.c.l., ex whse.....ton.118.00 -123.00
powd., bbls., contracts, 80 tons, dlvd., ten..111.00 - —
c.l., dlvd.....ton.116.60 - —
l.c.l., dlvd.....ton.123.00 -138.00
aks., contracts, 80 tons, dlvd..ton.96.00 - —
c.l., dlvd.....ton.101.00 - —
l.c.l., ex whse.....ton.123.00 -138.00
aks., contracts, 80 tons, dlvd..ton.101.00 - —
c.l., dlvd.....ton.106.00 - —
l.c.l., ex whse.....ton.113.00 -128.00
USP, $25 per ton higher.
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's, bbls.....lb. 1.11 - —
Camphoric, cns.....lb. 5.50 - 5.70
Capric, dms.....lb. .14 - .14½
Caprylic, dms.....lb. .14 - .14½
Carbolic (see Phenol).
Castor oil, split, dms.....lb. .15 - .15½
Chlorosulphonic, dms., c.l., works..lb .0350- —
5-drum lots, works.....lb. .04 - —
ap—te drum.....lb. .05 - —
*anks works.....lb. .08 - —
Chromic, 99%, dms., c.l., dlvd. N. Y..lb. .15¼- —
l.c.l., 5 tons, dlvd. N. Y. lb. .15¾- —
Dms., smaller quantities, dlvd., N. Y..lb. .16¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —
anhyd., gran., dms., 10,000 lbs., 1 shipt..lb. .23 - —
smaller lots.....lb. .23½- —
Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.
Cleve's, bbls.....lb. .57 - —
Coconut oil, dms.....lb. .12 - .12½
Corn, dist., dms.....lb. .10 Nom.
Cottonseed oil, dist., dms....lb. .08¾- .09½
tanks .....lb. .08¼- —
Cresylic, high-boil, dom., c.l., works, frt. equid..gal. .58 Nom.
l.c.l., same basis.....gal. .60 Nom.
Special blends, dom., c.l., frt. equaled..gal. .61 Nom.
l.c.l., same basis.....gal. .63 Nom.
low-boil, dms., c.l., works frt. equaled..gal. .58 Nom.
l.c.l., same basis.....gal. .60 Nom.
Imported, pale, dms.....gal. No prices
Crotonic, bbls., dlvd.....lb. .21 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital)
Formic, dom., seaboard, 90% cbys., f.o.b. stock points, c.l..lb. .10½- —
l.c.l., 25 and over.lb. .11 - —
1-24 .....lb. .11½- —
inland territory, cbys., c.l.lb. .1185- —
l.c.l., 25 and over.....lb. .1285- —
1-24 .....lb. .1285- —
southern territory, cbys., c.l., lb. .1170- .1240
l.c.l., 25 and over.....lb. .1220- .1290
1-24 .....lb. .1270- .1320
Fumaric, bbls.....lb. .75 - —
Gallic, tech., bbls.....lb. .70 Nom.
N. F., VI, bbls., 200 lbs., 5 or more..lb. .77 Nom.
single bbls.....lb. .80 Nom.
fib. dms., 25 lbs.....lb. .81 Nom.
Gamma, obls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .20 - —
H, bbls.....lb. .45 - —
Hydriodic, 47%, bots.....lb. 2.30 - —
5-lb. bots.....lb. 2.51 - —
57%, bots.....lb. 2.75 - 2.90
Hydrobromic, 10% dilut., USP, lb. .20 - .21
pure, 34% conct., cbys.....lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls, works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .06 - .06½
lead cbys.....lb. .08 - .08½
48%, lead cbys.....lb. .10½- .11
52%, lead cbys.....lb. .11½- .12
60%, lead cbys.....lb. .14 - .14½
Hydronuosilic, 30-35%, 420 lb. bbls..lb. .09 - .09½
Hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., bbls., works..100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 10L lbs. 5.50 - —
l.c.l., bbls., works..100 lbs. 5.75 - —
cbys., works....100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., bbls., works..100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —
44%, bbls., c.l., works, 100 lbs. 6.50 - —
l.c.l., bbls., works..100 lbs. 6.75 - —
cbys. works....100 lbs. 7.75 - —
50%, edible, 20 and over, bbls., cbys..lb. .10½- .11½
plastic grade.....lb. .12¼- .13¼
5 to 19, edible, bbls., cbys., lb. .11 - .12
plastic grade.....lb. .12¾- .13¾
1 to 4, edible, bbls., cbys., lb. .11½- .12½
plastic grade .....lb. .13¼- .14¼
80%, 5 and over, bbls., cbys..lb. .21 - .22
1 to 4 bbls., cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .43 - .45
USP, VIII, 75%, cbys.....lb. .41 - .43
Lauric, dist., tech., dms....lb. .15¼- .15¾
Laurent's, bbls.....lb. .45 - —
Linseed oil, dark, dms.....lb. .13¾- .14¼
light, dms.....lb. .14¾- .15¼
extra white, dist., dms...lb. .15 - .15½
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l. .....lb. .25 - —
dms., l.c.l. .....lb. .26 - —
Malic powd., kegs.....lb. .47 - —
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs...lb. 1.90 - —
smaller lots .....lb. 2.15 - —
Mixed, tanks, nitric unit...lb. .05 - .06
sulphuric unit .....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., bbls.lb. .15 - .18
Monosulphonic, bbls. .....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.65 - —
Acid, muriatic, 20°, cbys., c.l., E. works..100 lbs. 1.75 - —
l.c.l. 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works..100 lbs. 2.10 - —
1 to 9 works..100 lbs. 2.70 - —
*anks works .....100 lbs. 1.15 - —
22°, cbys., c.l., E. works.. 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works..100 lbs. 2.60 - —
1 to 9, works....100 lbs. 3.20 - —
tanks, works .....100 lbs. 1.65 - —
cryst., gran., bbls., car lots.lb. .21 - —
6-lb. bots.....lb. .18½- —
consumers, cbys.....lb. .06 - —
6-lb. bots.....lb. .20 - —
Myristic, dist., dms.....lb. .18¼- .18¾
Naphthenic, dom., acidity, 160, dms., c.l., works..lb. .07½- —
l.c.l., dms., works.....lb. .08 - —
tanks, works.....lb. .07 - —
200-220, dms., c.l., works..lb. .09½- —
l.c.l., dms., works.....lb. .10 - —
tanks, works.....lb. .09 - —
240, dms., c.l., works.....lb. .10 - —
l.c.l., dms., works.....lb. .10½- —
tanks, works.....lb. .09½- —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9 works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works.. 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works..100 lbs. 5.85 - —
1 to 9, works..100 lbs. 6.45 - —
40°, cbys., c.l., E. works.. 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works..100 lbs. 6.35 - —
1 to 9, works..100 lbs. 6.95 - —
42°, cbys., c.l., E. works.. 100 lbs. 6.50 - —
l.c.l., 25 and over, works. 100 lbs. 6.75 - —
10 to 24, works..100 lbs. 6.85 - —
1 to 9, works..100 lbs. 7.45 - —
C.P., USP., dealers, cbys...lb. .11¼- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs., and over....lb .11 - —
smaller quantities.....lb .12 - .14
Palm oil, white, dist., dms...lb. .08½- .08¾
tanks .....lb. .08 - —
Phenylacetic, bots.....lb. 1.75 - 3.00
Phosphoric, ortho, tech., 50%, cbys...lb. .06 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g. 1.710 cbys., 180 lbs..lb. .12 - —
50%, s. g., 1.347 cbys., 70 lbs..lb. .12 - —
djns., 25 lbs.....lb. .13 - —
10%, dilut., cbys., djns..lb. .07 - .07¼
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic ref., cbys., works..lb. .25 Nom.
dms., works.....lb. .22 Nom.
tech., cbys., works.....lb. .20 Nom.
dms., works.....lb. .16 Nom.
Pyrogallic, tech., lump, powd., bbls..lb. 1.05 Nom.
cns. .....lb. 1.10 Nom.
USP, cryst., cns.....lb. 1.45 Nom.
resubl., cns.....lb. 2.05 Nom.
Pyroligneous, bbls., dlvd. E. gal. .25 - —
Ricinoleic, com'l. split (see Acid, castor oil, split).
tech. dms., c.l., works....lb. .27 - —
l.c.l., dms., works.....lb. .28 - .33
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebacic, C.P., bbls., works..lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .10 - .10½
Stearic, distil., double pressed bgs., dlvd..lb. .12½- .13½
single pressed, bgs., dlvd.lb. .12 - .13½
triple pressed, bgs., dlvd..lb. .13¼- .16¼
saponif., double pressed bgs., dlvd..lb. .12¾- .13¾
triple pressed, bgs., dlvd..lb. .15½- .16½
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works..lb. 1.60 - 1.65
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100lbs. 1.25 - —
l.c.l., 25 and over, works, 100lbs. 1.50 - —
10 to 24, works..100 lbs. 1.60 - —
1 to 9, works..100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works..... 100 lbs. 1.50 - —
l.c.l., 25 and over, works.. 100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
C.P., USP, dealers, cbys...lb. .06½- —
9-lb. bots.....lb. .16½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .18 - —
fuming, 20%, tanks, E. works. ton.18.50 - —
65%, tanks, E. works....ton.36.00 - —
Tannic, tech., bbls., dms....lb. .40 Nom.
USP, fluffy, bbls., 1,000 lb. lots..lb. .88 Nom.
100-lb. lots.....lb. .90 Nom.
25-lb. lots.....lb. .93 Nom.
powd., bbls., 1,000 lbs....lb. .78 Nom.
smaller lots.....lb. .80 Nom.
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment, lb. .31¼- —
smaller quantities.....lb. .31¾- —
kgs .....lb. .32¼- —

Acacia—Alcohol, Isopropyl

Acid, Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungsten, CP, kgs., wks....lb. No prices
Chem. grade, kgs., wks....lb. No prices
Aconite, leaves, bls.....lb. .40 - .42
Root, bls.....lb. .50 - .55
Aconitine, amorph., bots.....oz.23.00 - —
vls. .....gr. 1.00 - —
cryst., bots.....oz.42.00 - —
vls. .....gr. 1.60 - —
Adeps lanae, anhyd., dms.....lb. .28 - .30
hyd., dms.....lb. .27 - .29
Agar 1, bls.....lb. 1.50 Nom.
3, bls.....lb. No prices
Agaric, white, bls.....lb. No prices
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld..lb. .13 - —
pow'd, grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis..lb. .18 - —
light, dom., flake, dms., f.o.b Chicago, frt. alld..lb. .55 - .65
import, bgs.....lb. .60 Nom.
egg, ed., dom., cryst., bbls..lb. .64 - .66
dom., pwd., dms., bbls., lb. .68 - .71
import, cs.....lb. .68 Nom.
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l. frt. alld..lb. .111 - —
l.c.l., frt. alld.....lb. .121 - —
tanks, frt. alld.....lb. .101 - —
Benzyl, cans.....lb. .68 - —
drums .....lb 63 - —
Butyl, normal, cns., works..lb. .13½- .15½
dms, c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09½- —
tanks, frt. alld.....lb. .08 - —
tankwagon, frt. alld.....lb. .08½- —
secondary, dms., c.l., frt. po., E. of Miss. R.....lb. .06¾- —
l.c.l., same terms.....lb. .07 - —
tanks, same terms.....lb. .06½- —
tertiary, denaturing, dms., frt. alld..lb. .14 - —
Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., C.P., fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l., dms.....lb. .95 - —
import, 85%, 100-lb. dms....lb. .55 - —
5 to 10 lbs.....lb. .75 - —
com'l., dms., 350 lbs.....lb. .45 - —
Cinnamic, bots.....lb. 2.00 - 2.90
Denatured, CD14, dms., c.l., works, E..gal. .31½- —
l.c.l., works, dms.....gal. .36½- —
tanks, E., works.....gal. .25½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SDI, 190 pf., bbls., c.l., E. works..gal. .28½- —
19 bbls., E. works...gal. .30½- —
1 to 18 bbls., E. works, gal. .33½- —
dms., c.l., E. works....gal. .27½- —
19 dms., E. works...gal. .29½- —
gal. .32½- —
tanks, E. works.....gal. .21½- —
Anhydrous 3c. per gal higher.
SD-2B., dms., c.l., works, E. gal. .26¼- —
19 dms., works, E...gal. .28½- —
1 to 18 dms., works, E. gal. .31½- —
tanks, E., works.....gal. .20½- —
SD23-G, works, E., dms..gal. .32 - —
19 dms. .....gal. .34 - —
1 to 18 dms.....gal. .37 - —
tanks .....gal. .26 - —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher.

Special solvent, dms., c.l., E. works..gal. .28½- —
20 dms., E. works...gal. .30½- —
gal. .33½- —
tanks, E. works.....gal. .22½- —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, contract, dms., c.l., dlvd..lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
cns., works.....lb. .13½- .15½
tanks, dlvd.....lb. .08 - —
tech., contract, dms., c.l., dlvd..lb. .08½- —
l.c.l. dlvd.....lb. .09 - —
cns., works.....lb. .13 - .15
tanks, dlvd.....lb. .07½- —
Ethyl, 190 pf., ex molasses, bbls., c.l..gal. 4.33 - —
19 bbls. .....gal. 4.58½- —
1 to 18 bbls.....gal. 4.61½- —
dms., c.l. .....gal. 4.54 - —
19 dms. .....gal. 4.57½- —
1 to 18 dms.....gal. 4.60½- —
tanks .....gal. 4.48 - —
absolute, dms., c.l.....gal. 4.81½- —
19 dms. .....gal. 4.85 - —
1 to 18 dms.....gal. 4.88 - —

Grain alcohol 25c. gal higher.

Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .30 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., c.l., works, frt. alld. E. of Rockies..lb. .0680- —
l.c.l., same terms.....lb. .0730- —
tanks, same terms.....lb. .0580- —
Isopropyl, refd., 91%, dms., 5 gal., f.o.b. dest..gal. .65 - —
55 gal., c.l., same basis.gal. .55½- —
l.c.l., same basis....gal. .56½- —
tanks, frt., alld..... gal. .28½ —

Alcohol, Isopropyl—Black, Car.

Alcohol, isopropyl, 99%, dms., 5 gal., same basis..gal. .65 - —
55 gal. c.l., same basis, gal. .36 - —
l.c.l., same basis ....gal. .41 - —
tanks, same basis.....gal. .31 - —
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.50 - 3.25
Propyl, normal, dms., works, gal. .70 - —
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N. Y., lb. .44 - —
456 lb. lots, same basis..lb. .50 - —
cns., f.o.b., Cedar Rapids, Ia. lb. .55 - —
Aldehol, denat, grade, dms., tanks, works..gal. .70 - .73
Aldehyde bisulphite, bbls., dlvd., lb. .17 - —
smaller containers .....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works, lb. .15 - —
Aletris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .22 - .23
Aloe, Barbados, true, cs.....lb. No prices.
Cape, cs.....lb. .25 - .29
Curacao, cs.....lb. .50 - .55
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .50 - .56
Aloin, 140-lb. bbls.....lb. 3.25 - —
100-lb. kgs.....lb. 3.27 - —
25-lb. fib. dms.....lb. 3.34 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. .52 - .54
peeled, bls.....lb. .47 - .49
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.15 - —
dlvd. N.Y., Phila....100 lbs. 3.15 - —
lump, bbls., works....100 lbs. 3.40 - —
dlvd., N.Y., Phila..100 lbs. 3.40 - —
powd., bbls., works....100 lbs. 3.55 - —
dlvd. N. Y., Phila..100 lbs. 3.55 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; dlvd. N. Y. prices apply to truck or ex warehouse.

Potash, gran., bbls., works, 100 lbs. 3.40 - —
dlvd., N.Y., Phila..100 lbs. 3.40 - —
lump, bbls., works....100 lbs. 3.65 - —
dlvd., N.Y., Phila..100 lbs. 3.65 - —
powd., bbls., works....100 lbs. 3.80 - —
dlvd. N.Y., Phila..100 lbs. 3.80 - —

Potash alum prices on same basis as those for ammonia alum.

Potash-chrome, bbls.....lb. .06¼ Nom.
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, 20%, normal solut., bbls., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .09 - —
basic solut., bbls., c.l., dlvd..lb. .10 - —
l.c.l., dlvd.....lb. .12 - —
basic powd., bbls., dlvd...lb. .40 - —
smaller containers, dlvd. lb. .50 - —
Chloride, anhyd., com'l, dms., (extra), 45,000 lbs. and over, works..lb. .06 - —
12,000 to 40,000 lbs., works..lb. .07 - —
1,100 to 11,000 lbs., works, lb. .08 - —
140 to 875 lbs., works.lb. .09 - —
100 lbs., or less, works.lb. .10 - —
cryst., com'l, dms., c.l., works lb. .06 - —
l.c.l., dms., works.....lb. .06½- —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., cbys., works.....lb. .03¼- —
Formate, 80%, solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd. .....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0200- —
l.c.l., bbls., works.....lb. .03½- —
bgs., c.l., works.....lb. .0260- —
light, bgs., c.l., dlvd.....lb. .12 - —
l.c.l., bgs., dlvd.....lb. .12½- —
bbls., c.l., dlvd.....lb. .12½- —
l.c.l. bbls., dlvd.....lb. .13 - —
Oleate, dms., contro.....lb. .16¾- —
oper. order .....lb. .17¼- .18¼
Palmitate, precip., bbls.....lb. .24½- —
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .17½- —
l.c.l., ton.....lb. .18½- —
less than ton.....lb. .22½- —
Sulphate, com'l, bgs., c.l., works, frt. equald..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works, frt. equald..100 lbs. 1.35 - —
l.c.l., works, frt. equaled 100 lbs. 1.60 - —
iron-free, bgs., c.l., works, 100 lbs. 1.45 - —
l.c.l., works....100 lbs. 1.70 - —
bbls., c.l., works...100 lbs. 1.65 - —
l.c.l., works.....100 lbs. 1.90 - —
Aluminum 98-99%, c.l.....lb. .20 - —
l.c.l. .....lb. .21 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .63 - —
ink, dms., 1,500 lbs.....lb. .73 - —
standard, dms., 1,500 lbs..lb. .40 - —
powder, lining, extra fine, dms., 1,500 lbs..lb. .92 - —
standard, dms., 1,500 lbs.lb. .87 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs.lb. .47 - —
lining, dms., 1,500 lbs....lb. .37 - —
standard, dms., 1,500 lbs..lb. .42 - —
rubber compound, dms., 1,500 lbs..lb. .40 - —
unpolished, dms., 1,500 lbs.lb. .37 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs.lb. .47 - —
standard, dms., 1,500 lbs.lb. .40 - —

Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 2c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.

Ambergris, gray, tins.....oz.17.00 -26.00
Aminopyrine, fib., dms., 100 lbs. lb. 4.00 - —
bots., 5 lbs.....lb. 4.22 - 4.25
Ammonia, acetate, bbls., kgs., dlvd..lb. .27 - .33
dms., dlvd.....lb. .23 - .26
Aldehyde, dms.....lb. .65 - .70
Anhydrous, fertilizer, com'l, tanks (50,000 lbs.), works, lb. .04½- —
refrigeration, tanks, works.. lb. .05 - —
pure, cyls., dlvd., met. N.Y.lb. .16 - —

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l. .....lb. .02¾- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content), f.o.b. S. Chicago or Detroit, lb. .04 - —
grade B (ammonia liquor) tanks (on NH_3 content), f.o.b. Chicago or Detroit.lb. .03¾- —
Benzoate, dms., 4,000 lbs. or more..lb. .40 - .42
1,000 lbs. to 3,900 lbs....lb. .41 - .43
900 lbs. or less.....lb. .42 - .46
kgs., 4,000 lbs. or more....lb. .40 - —
1,000 lbs., to 3,900 lbs....lb. .41 - —
900 lbs. or less.....lb. .42 - —
Bicarbonate, bbls., dlvd., Met. N. Y..lb. .0556- —
kgs., same basis.....lb. .0606- —
Bichromate, bbls.....lb. .30 - .33
Bifluoride, bbls.....lb. .14¼- .14¾
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - —
bxs. .....lb. .33 - .39
kgs. .....lb. .36 - —
Carbonate, lump, bbls., dlvd., Met. N. Y...lb. .08 - —
kgs., same basis.....lb. .11 - —
cns., same basis.....lb. .13½- —
Powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225 lb. bbls....lb. .12 - .18
100 lb. kgs. .....lb. .15 - —
Citrate, dms.....lb. .50 - —
cns. .....lb. .32 - —
Fluoride, bbls.....lb. .17 - .19
Hydroxide, (see Ammonia, aqua),
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.52 - —
jars .....lb. 3.45 - —
Linoleate, 50%, anhyd., bbls. lb. .11 - —
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Nitrate, tech., bgs., c.l., works, 100 lbs. 3.60 - —
l.c.l., works.....100 lbs. 3.85 - —
bbls., c.l., works.....100 lbs. 3.80 - —
l.c.l., works.....100 lbs. 4.05 - —
Oleate, dms.....lb. .11 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .30
pure, gran.....lb. .32 - —
Perchlorate, kegs .....lb. .16 - .18
Persulphate, kgs.....lb. .21 - .23
Phosphate, dibasic, N.F.V., bls., lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .09 - .10
monobasic (fert. grade), 11% N 48% phos- bulk, f.o.b. E. works.. unit-ton. 1.20 & .70
pure, bbls. .....lb. .40 - .45
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .09 - .10
Salicylate, U.S.P., kgs.....lb. 1.15 - 1.30
Silicofluoride, imp., 350-lb. bbls., f.o.b. N.Y..lb. No price
5 bbls., same basis.....lb. No price
Stearate, anhydrous .....lb. .22 - —
paste .....lb. .06½- —
Sulphate, dom., bulk, c.l., f.o.b. Oct. shipt..ton.27.25 - —

Ammonia sulphate prices are f.o.b. cars nearest Atlantic or Gulf port, and/or $1 per ton less than above prices f.o.b. cars nearest inland producing oven, whichever is lower to destination.

Sulphide, liquid, 40-45%, basis 100%, dms., c.l., dlvd..lb. .06 - —
l.c.l., works .....lb. .12 - .13
tanks, dlvd. .....lb. .07½- —
red, 48%, cbys., works.....lb. .07½- —
dms., works.....lb. .05¼- —
yellow, 32%, cbys., works..lb. .07½- —
dms., works.....lb. .05½- —
Sulphocyanide, pure, 99-100%, kgs..lb. .55 Nom.
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., contracts, N. Y., l.c.l. 100 lbs. 6.90 - 6.95
import, csks. .....100 lbs. No price
Amyl acetate, ex fusel oil, dms., c.l., dlvd..lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½- —
cns., works.....lb. .17 - .18
ex pentane, dms., c.l., frt., alld..lb. .10¼- —
l.c.l., frt., alld.....lb. .11¼- —
tanks, frt., alld.....lb. .09¼- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .0565- —
l.c.l., works .....lb. .0665- —
tanks, works .....lb. .0465- —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works..lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .35 - —
Salicylate, bots., 5 lbs.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works..lb. .36 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.10 - 1.15
Angelica root, dom., bls.....lb. .23 - .24
import, natural, bls.....lb. .80 - .90
twisted, bls.....lb. 1.25 - 1.30
Angostura bark, bls.....lb. .28 - .32
Anilin oil, dms., c.l.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14¼- —
Salt, dms., works.....lb. .22 - .24
Anise, Spanish type, bgs.....lb. .28 - .29
Star, bgs.....lb. .20 - .21
Anisic aldehyde, bots.....lb. 3.00 - 3.10
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06½- .07
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., wks.....lb. .65 - —
Anthraquinone, 98.5%, subl., bbls., lb. .55 - —

Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 Nom.
Needle, powd., kgs.....lb. .20 Nom.
Oxide, bgs., c.l.....lb. .17 Nom.
l.c.l. .....lb. .17¾ Nom.
Salts, 65%, kgs.....lb. .55 Nom.
White pigment, bgs., f.o.b. Laredo, Tex..lb. .15½ Nom.
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz.23.20 -23.70
Archil extract, con., bbls.....lb. .21 - .27
double, bbls.....lb. .18 - .20
triple, bbls.....lb. .18 - .20
Areca nuts, powd., bbls.....lb. .13 - .18
Arecoline hydrobromide, bots..oz. 6.00 - 6.10
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. No prices
Arnica flowers, bls.....lb. .50 - .75
Root, bls.....lb. .49 - .51
Arrowroot, St. Vincent, powd. bgs..lb. .08 - .08¾
bbls. .....lb. .08½- .09
Arsenic, metal, lump, cs.....lb. No prices.
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots.lb. 5.35 - —
jars .....lb. 5.30 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03 - —
l.c.l. .....lb. .03¾- —
Asafetida, cs. .....lb. .40 - .45
powd., bbls., bxs.....lb. .65 - .70
Asbestine (see Talc, N. Y. fibrous)
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.25.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.28.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.19.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.16.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.14.00 - —
Asphaltum, Barbados, A, bgs., 20 tons, f.o.b. N. Y.....lb. .02½- —
smaller lots, f.o.b. N. Y.lb. .03½- —
AA, bgs., 20 tons, f.o.b. N.Y., lb. .06½- —
smaller lots, f.o.b. N. Y..lb. .10½- —
California, dms., c.l., f.o.b. N. Y..ton.29.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N. Y. ton.80.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y..lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton.32.90 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.30.50 - —
l.c.l., f.o.b., N. J. or N. Y., whse..ton.51.00 - —
Jet., bgs., c.l., Western shipping points..ton.30.50 - —
Manjak (see Asphaltum, Barbados).
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans refinery....gal. .06 - —
Atropine, bots. .....oz. 7.00 - —
Sulphate, bots. .....oz. 4.00 - —

B

Balm of Gilead buds, bgs....lb. .45 - .50
Barberry bark, bgs.....lb. .37 - .39
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.00 - 3.10
Barium carbonate, natural, 90-96%, grd., bgs., c.l., works, ton.45.00 -47.00
90% thru 200 mesh, bgs., c.l., works..ton.47.00 -49.00
precip., bgs., c.l., works..ton.52.50 - —
Chicago .....ton.55.00 - —
l.c.l., works.....ton.57.50 - —
Chicago .....ton.60.00 - —
bbls., c.l., works.....ton.57.50 - —
Chicago .....ton.60.00 - —
l.c.l., works.....ton.62.50 - —
Chicago .....ton.65.00 - —
sulphur-free, bgs., c.l., works, ton.57.50 - —
l.c.l., works.....ton.62.50 - —
Chlorate, kgs.....lb. .19 Nom.
Chloride, C.P., cryst., bbls..lb. .25 - —
kgs. .....lb. .27 - —
tech., doms., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Ark. line...ton.77.00 - —
bbls., same basis..ton.79.00 - —
l.c.l., bgs., same basis. ton.90.00 - —
bbls., same basis..ton.93.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N. S. Carolina, Ga., Ala., Miss., Fla..ton.81.00 - —
bbls., same basis..ton.83.00 - —
bbls., l.c.l., bgs., same basis..ton.94.00 - —
bbls. same basis..ton.96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz. ton.87.00 - —
bbls., same basis..ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls. same basis..ton.102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.85.00 - —
l.c.l., bgs., same basis.ton.96.00 - —
bbls. same basis..ton.98.00 - —
Dioxide, dms.....lb. .11 - .15
Fluoride, bbls. .....lb. .14 - .15
Fluosilicate, bbls. .....lb. .16 - —
Hydrate (see Hydroxide).
Hydroxide, bbls., imp.....lb. No price.
dom., works.....lb. .06½- .07
Iodide, bots.....lb. 4.45 - 4.50
Monoxide (see Oxide).
Nitrate, cks.....lb. .10½-Nom.
Oxide, dms.....lb. .09 - .11
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.26.65 - —
l.c.l., ex whse., Boston, ton.36.00 - —
Chicago .....ton.31.15 - —
Cleveland .....ton.36.50 - —
New York.....ton.32.00 -

Barytes, dom., paper bgs., c.l., St. Louis..ton.22.85 - —
l.c.l., ex car, Baltimore, ton.30.70 - —
Boston .....ton.31.70 - —
Philadelphia .....ton.30.50 - —
ex whse., Baltimore.ton.32.10 - —
Boston .....ton.35.20 - —
Chicago .....ton.30.85 - —
Cleveland .....ton.33.00 - —
Detroit .....ton.33.00 - —
Kansas City .....ton.30.95 - —
Los Angeles .....ton 42.00 - —
New York.....ton.31.50 - —
Philadelphia .....ton.31.90 - —
San Francisco.....ton.42.00 - —
Toronto .....ton.39.50 -
southern off color, bulk, mines, ton.12.00 - —
95.75%, bulk, mines....ton.16.00 - —
ore, bulk, mines.....ton. 7.00 - —
Cuban, crude, c.l., c.i.f.....ton.11.00 - —
German, grd., bbls., c.l., dock, t.a...ton. No price.
l.c.l., ex whse.....ton. No prices.
German, ungrd., bulk, c.l., ex dock..ton. No prices.
Italian, grd., bbls., c.l., ex dock, t.a ton 29.50 Nom.
l.c.l., ex whse. .....ton.32.50 Nom.
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves)
Bay rum, import, bbls.....lb. .82 - .90
Bayberry bark, bgs.....lb. .15 - .16
Belladonna leaves, bls.....lb. .30 - .31
Root, bls.....lb. .45 - .50
Bentonite, 200 mesh, bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works, ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .55 - .60
USP, X, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, nitration, pure, dms., works..gal. .21 - —
tankcars, frt. alld. E. of Omaha gal. .16 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .16 - —
Benzoyl chloride, cbys.....lb. .23 - .29
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans, lb. .84 - —
dms. .....lb. .80 - —
Chloride, 90.97%, refd., dms., lb. .19 - .21
Cinnamate, cns. .....lb. 4.15 - 4.20
Formate, cns.....lb. 2.75 - 3.00
Benzylidineacetone, bots.....lb. 2.00 - 2.60
Berberine bisulphate, cns.....lb.16.75 - —
Hydrochloride, cns. .....lb.16.75 - —
Sulphate, cns. .....lb.16.75 - —
Berberis root, bls.....lb. .12 - .13
Betanaphthol, sublim., kgs.....lb. .60 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib., dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls. .....lb. .19 - .21
Bismuta chloride, 5-lb. bots...lb. 3.20 - 3.30
Citrate, USP, VIII, 5-lb. bots., lb. 2.70 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots...lb. 1.45 - —
cns. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.86 - —
fib. dms.....lb. 1.13 - 1.19
Subcarbonate, bots., cns.....lb. 1.82 - 2.08
fib. dms.....lb. 1.73 - 1.76
X-ray, 5-lb. bots.....lb. 2.42 - —
fib. dms.....lb. 2.36 - —
Subgallate, bots., cns.....lb. 1.77 - 2.08
fib. dms.....lb. 1.68 - 1.71
Subiodide, cns.....lb. 4.01 - —
fib. dms.....lb. 3.98 - —
Subnitrate, powd., bots., cns., lb. 1.57 - 1.83
fib. dms.....lb. 1.48 - 1.51
Subsalicylate, 82-86%, bxs .lb. 2 44
bbls., fib. dms.....lb. 2.35 - —
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia citrate, USP, powd., 5-lb. bots..lb. 3.40 - —
cns. .....lb. 3.30 - —
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms.....lb. 3.08 - —
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .18 - —
l.c.l., frt. alld. E.....lb. .18½- —
1, bbls., bgs., c.l., frt. alld. E..lb. .12 - —
l.c.l., frt. alld. E.....lb. .12½- —
2, bbls., bgs., c.l., frt. alld., E..lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
3, bbls., bgs., c.l., frt. alld. E. lb. .09½- —
l.c.l., frt. alld. E. .....lb. .10 - —
4, bbls., c.l., frt. alld. E...lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
5, bbls., bgs., c.l., frt. alld. E..lb. .07½- —
l.c.l., frt. alld. E. ...lb. .08 - —
6, bbls., c.l., frt. alld. E...lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld E. lb. .09 - —
l.c.l., frt. alld. E. ...lb .06 - —
8, bbls., bgs., c.l., frt. alld. E, lb. .10 - —
l.c.l. frt. alld. E.....lb. .10½- —

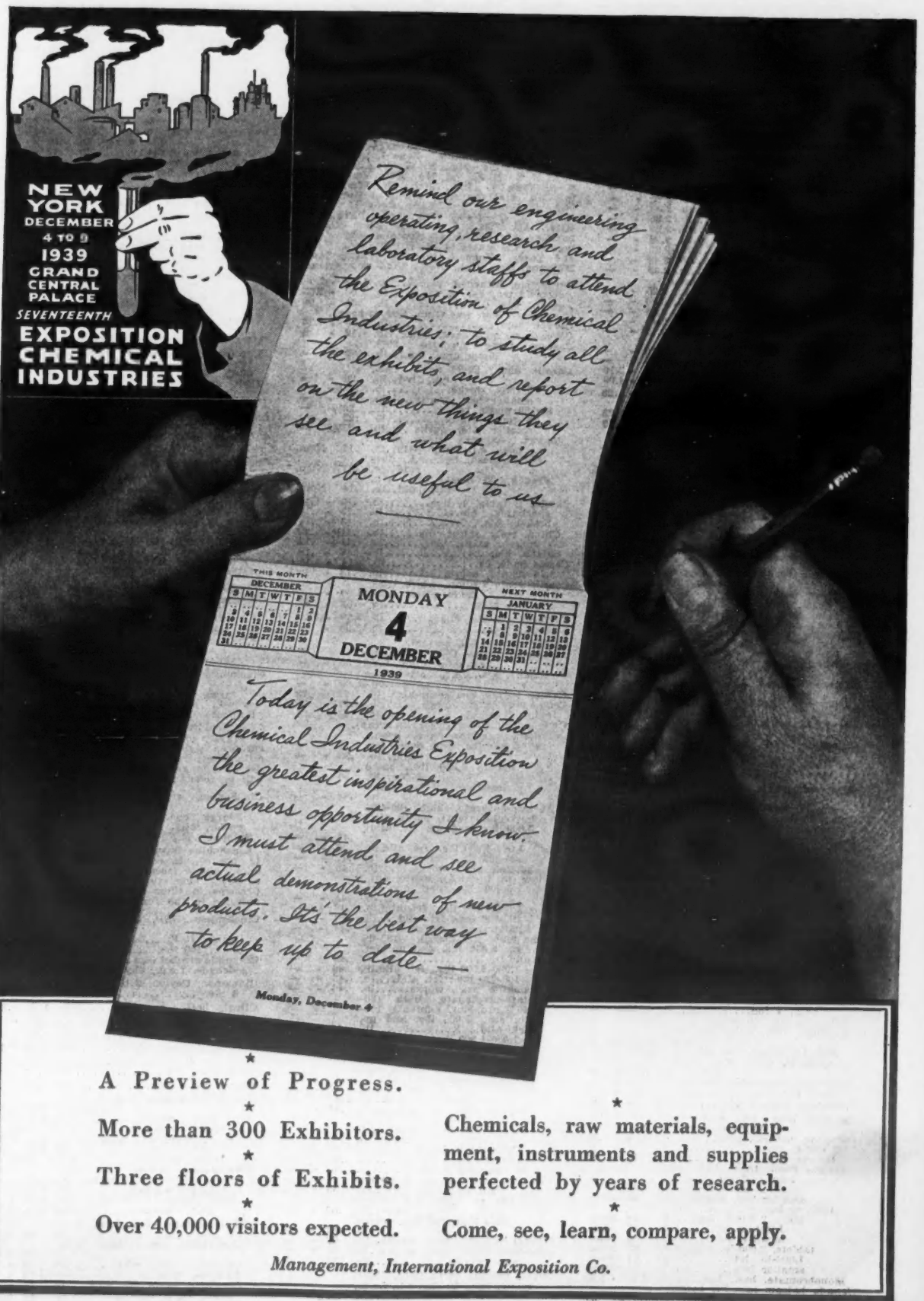
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.

Carbon, special, 1, bgs., c.l., dlvd..lb. .03¾- .04¾
bgs., ctns., l.c.l., dlvd..lb. .06¾- —
cs., l.c.l., dlvd.....lb. .07½- —
2, bgs., c.l., works.....lb. .08½- —
l.c.l., dlvd.....lb. .10½- —
bgs., l.c.l., dlvd.....lb. .12 - —
3, bgs., c.l., works.....lb. .13 - —
l.c.l., dlvd.....lb. .14½- —
cs., l.c.l., dlvd.....lb. .16½- —
4, bgs., c.l., works.....lb. .29 - —
cs., c.l., works.....lb. .29 - —
l.c.l., dlvd.....lb. .32 - —
5, bgs., cs., c.l., works...lb. .40 - —
cs., c.l., dlvd.....lb. .44 - —
6, cs., l.c.l., dlvd.....lb. .60 - —
7, cs., l.c.l., dlvd.....lb. 1.10 - —
standard, bgs., cs., dlvd., rail zone A (Gulf ports), for delivery in Nor. Amer. (water freights extra) .....lb. .02¾- —
B (Ark., Col., Kan., part of Mo., N. M., Tex., except coastal ports)..lb. .0310- —
50,000 lbs., dlvd., Zone C (Pac. Cst., States)..lb. .0319- —

Black, carbon, standard, bgs., 30,000 lbs., dlvd., Zone C, (Pac. Cst. States)..lb. .0335- —
D (Ill., Ia., Wis.)...lb. .03¼- —
E (Fla., Ga., Ind., Ky., Mich., part of N. Y., Ohio, part of Pa., Tenn., W. Va.)....lb. .0341- —
F (Me., Md., Mass., N. H., N. J., part of N. Y., N. C., part of Pa., R. I., S. C., Vt., Va.)..lb. .03¾- —
G (Mexico), f.o.b. border..lb. .03 - —
f.o.b. N. Orleans.lb. .0290- —
l.c.l., f.o.b. whse.....lb. .05¾- —
bgs. or ctns. (seller's option), l.c.l. dlvd..lb. .06¼- —
Black, carbon, standard, bulk, tanks, same price as bags in each zone.
cs., l.c.l., dlvd.....lb. .07 - —
export, full compressed, cs., f.a.s., Gulf ports..lb. .04¾ Nom.
uncompressed, cs., f.a.s., Gulf ports..lb. .05¼ Nom.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, bbls., l.c.l., works..lb. .07¾- .08½
2, bbls., l.c.l., works....lb. .07 - —
pure, bbls., works.....lb. .08¾- —
Ivory, genuine, bbls.....lb. .50 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
import, 1, bbls., c.l., f.o.b. N.Y...lb. .08 - —
l.c.l., f.o.b., N. Y.....lb. .09 - —
2, bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls., c.l., f.o.b. N. Y..lb. .13 - —
l.c.l., f.o.b., N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
5, bbls, c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y.....lb. .20 - —
6, bbls., c.l., f.o.b. N. Y..lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
vine, A, bbls., works or N.Y. lb. .04¼- —
B bbls, works or N. Y....lb. .05½- —
Black dyes are listed under dyes.
Black Haw, root bark, bls....lb. .24 - .25
Tree bark, bls.....lb. .14 - .15
Black Indian hemp root, bls...lb. .18 - .20
Blanc fixe, dry or pulp, bgs., c.l...ton.60.00 - —
l.c.l. .....ton.65.00 - —
high grade precip. bgs. c.l., works, frt. equal.ton.75.00 - —
l.c.l., same basis....ton.80.00 - —
pulp 65¾% basis works, ton.40.00 -42.50
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.25
l.c.l., works.....100 lbs. 2.25 - 2.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 3.70 - —
high-grade, grd., 16-17 ammon., bulk, f.o.b. Chi., unit-ton. 3.75 - —
import, bgs. c.i.f. ports, shipt., unit-ton. 3.60 - —
soluble (see Albumen, blood)
Bloodroot, bls. .....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .90 - —
Alkali blue toner prices are ¼c. higher dlvd Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. highed dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, alkali toner contracts..lb. .36 - —
open order.....lb. .37 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg., lb. 4.90 - —
Imitation (see Blue, ultramarine, group 3).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Potash, dom., bbls., same basis alkali toner, contracts..lb. .45 - —
open order.....lb. .46 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
soluble, bbls., same basis alkali toner, contracts, lb. .36 - —
open order.....lb. .37 - —
Tungstated, peacock, kgs....lb. 2.75 - —
Victoria, kgs.....lb. 2.25 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equal..lb. .22 - .27
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27
Ultramarine, blue, dlvd. ex whse., is 1c. higher; Pac. Coast ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 25-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Bluefing root, bls. .....lb. .13 - .14
Blue mass, USP, cns.....lb. 1.47 - —
powd., cns.....lb. 1.49 - —
Blue vitriol, 99%, cryst., bbls., c.l., f.o.b., works...100 lbs. 4.75 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.90 - —
6-15 bbls., same basis, 100 lbs. 5.10 - —
1-5 bbls., same basis.....100 lbs. 5.35 - —
monohydrated, dms., c.l., dealer, f.o.b. works..100 lbs. 9.35 - 9.60
l.c.l. dealer.....100 lbs. 10.35 -10.60
Bluestone (see Blue vitriol)
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.34.00 - —
import, bgs., c.i.f. ports.ton.31.00 - —
meal, steamed, dom., 3% ammon. 50% phos., bgs., f.o.b. Chicago..ton.32.00 - —
Bone meal, import, 100-lbs., bgs., c.i.f., ports, shipt..ton.27.00 Nom.
Phosphate, precip. (see Calcium phosphate dibasic, precip.)
Bones, steamed, dom., 1½% ammon., 60% phos. bgs., f.o.b., Chicago..ton.26.00 - —
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports.ton. No prices.
Boneset leaves, bales.....lb. .08 - .09
Borage flowers, bales.....lb. .23 - .24
Borax, tech., 99½%, cryst., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse.....ton.67.00 -72.00
sks., contracts, 80 tons min., dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.57.00 -62.00
gran., bbls., contracts, 80 tons min., dlvd..ton.52.00 - —
l.c.l., ex whse.....ton.64.00 -69.00
gran., sks., contracts, 80 tons min., dlvd..ton.43.00 - —
l.c.l., ex whse...ton.54.00 -59.00
pewd., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse.....ton.69.00 -74.00
sks., contracts, 80 tons min. dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.59.00 -64.00
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11¼ —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs., and over; no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots. .....lb. 1.75 - 2.00
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur)
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .20 - —
single pkg., same basis.lb. .25 - —
Bromoform, USP, bots.....lb. 1.40 - 1.60
Bromstyrol, bots.....lb. 2.50 - 2.75
Bronze powder, aluminum (see A).
Gold, litho, cns., 1ms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtop, bls.....lb. .16 - .18
Brown, iron oxide, pure precip., cks., f.o.b. N.Y., or works..lb. .10 - —
Metallic, iron oxide, bbls., works. lb. .02¼- —
paper bags, c.l., works....lb. .0210- —
Sienna, burnt, American bbls., works..lb. .03 - —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .12¼- —
2, bbls., same basis..lb. .11¼- —
3, bbls., same basis...lb. .10¼- —
4, bbls., same basis...lb. .09¾- —
5, bbls., same basis...lb. .09¾- —
6, bbls., same basis...lb. .09¼- —
7, bbls., same basis...lb. .09 - —
8, bbls., same basis...lb. .07¾- —
9, bbls., same basis...lb. .07½- —
10, bbls., same basis..lb. .06¾- —
11, bbls., same basis..lb. .06¾- —
12, bbls., same basis..lb. .06¼- —
13, bbls., same basis..lb. .06 - —
14, bbls., same basis..lb. .05½- —
raw, American, bbls., works, lb. .02¾- —

Black, Carbon—Brucine

Brown, sienna, raw, Italian, Group 1, bbls., f.o.b. N.Y. or works..lb. .12½- —
Group 2, bbls., same basis, lb. .10¾- —
3, bbls., same basis...lb. .11 - —
4, bbls., same basis...lb. .09½- —
5, bbls., same basis...lb. .09 - —
6, bbls., same basis...lb. .08½- —
7, bbls., same basis...lb. .07¾- —
8, bbls., same basis...lb. .07¼- —
9, bbls., same basis...lb. .06¾- —
10, bbls., same basis..lb. .06 - —
11, bbls., same basis..lb. .06 - —
Umber, American, bbls., works, lb. .02¾- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N. Y.....lb. .04 - —
St. Louis.....lb. .04¾- —
ex car Los Angeles...lb. .04½- —
ex dock, Portland, San Francisco, Seattle..lb. .04¾- —
Boston .....lb. .04½- —
Chicago, Indianapolis, New Orleans.....lb. .04¾- —
Kansas City.....lb. .05 - —
Los Angeles, Portland, San Francisco, Seattle .....lb. .04¾- —
Minneapolis .....lb. .0485- —
Pittsburgh .....lb. .04¼- —
Vandyke, bbls., l.c.l.....lb. .05¾- —
Walnut crystals, bbls.....lb. .05½- .09
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —


NEW YORK
DECEMBER
4 TO 9
1939
GRAND CENTRAL PALACE
SEVENTEENTH
EXPOSITION CHEMICAL INDUSTRIES
Remind our engineering operating, research and laboratory staffs to attend the Exposition of Chemical Industries; to study all the exhibits, and report on the new things they see and what will be useful to us
THIS MONTH
DECEMBER
MONDAY
4
DECEMBER
1939
NEXT MONTH
JANUARY
Today is the opening of the Chemical Industries Exposition the greatest inspirational and business opportunity I know. I must attend and see actual demonstrations of new products. It's the best way to keep up to date —
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Bryonia—Derris

Bryonia root, bls.....lb. .17 - .18
Buchu leaves, bls.....lb. .60 - .65
Buckthorn bark, true, bls.....lb. .12 - .15
cut and sifted, bbls.....lb. .16 - .18
Berries, bgs.....lb. .30 - .32
Burdock root, bls.....lb. .15 - .16
Burgundy pitch, dom., bbls...lb. .05 - .06¼
Butane, coml., 16-34°, tanks, group 3..gal. .02½- .03
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., works..lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09½- —
tanks, contract, frt. alld.lb. .08 - —
tankwagons, frt. alld.....lb. .08½- —
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .06½- —
l.c.l., same terms.....lb. .07 - —
tanks, same terms.....lb. .06½- —
Alcohol (see Alcohol):—
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .17¼
tanks, works.....lb. .14½- —
Carbinol (see Carbinol).
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .....lb. .23 - —
Crotonate, normal, 55 gal. dms., dlvd..lb. .35 - —
5 gal. cns.....lb. .75 - —
1 gal. cns.....lb. 1.00 - —
Ether (see under Ether).
Lactate, dms .....lb. .22½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .26 - —
Butyric ether, bots.....gal. 6.60 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.56 - —
single jars.....lb. 1.61 - —
5-lb. bots.....lb. 1.75 - —
Iodide, 5-lb. bots.....lb. 3.96 - —
25-lb. cns.....lb. 3.82 - —
Lithopone (see Yellow).
Metal, pat. shapes, cs.....lb. .80 - —
ingots, or sticks.....lb. .75 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100-lb. cns., 10,000 lbs., or more..lb. 2.20 - —
2,000 lbs., or more.....lb. 2.25 - —
1,000 lbs., or more.....lb. 2.30 - —
100 lbs.....lb. 2.35 - —
25-lb., 10,000 lbs., or more...lb. 2.23 - —
2,000 lbs., or more.....lb. 2.28 - —
1,000 lbs., or more.....lb. 2.33 - —
100 lbs.....lb. 2.43 - —
25 lbs.....lb. 2.55 - —
10-lb. cans, 10,000 lbs. or more, lb. 2.25 - —
2,000 lbs. or more.....lb. 2.30 - —
1,000 lbs. or more.....lb. 2.35 - —
100 lbs.....lb. 2.40 - —
less than 100 lbs.....lb. 2.75 - —
5-lb. cans, 25 lbs. or more lb. 2.70 - —
less than 25 lbs.....lb. 2.85 - —
Citrated, cns.....lb. 1.80 - 2.10
Hydrobromine, bots.....lb. 4.91 - 4.99
Calabar beans, bgs.....lb. .27 - .28
Calamus root, peeled, N.F., cs. lb. .22 - .23
bleached, bls.....lb. .65 - .70
Calcium acetate, bgs., dlvd. 100 lbs. 1.90 - —
Arsenate, bgs., c.l., dealers. E. of Rockies..lb. .06¾- .07½
W. of Rockies, bgs., dms., lb. .06¼- .06¾
Southern cotton states, bgs., dms..lb. .06½- .06¾
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .70 - —
50 lbs., works.....lb. .72 - —
25 lbs., works.....lb. .75 - —
Carbide, dms., c.l., dlvd....lb. 4.75 - —
l.c.l., f.o.b. warehouse...lb. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, dom., 77-80%, bgs., dms., c.l., dlvd.ton.22.00 -85.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.70 - 2.25
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, bgs., dms., c.l., dlvd..ton.20.00 -23.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.60 - 1.75
Gluconate, USP, gran., powd., bbls., 125 lbs..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .92 - .95
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
Hypophosphite, cns. .....lb. .62 - .67
Iodide, bots., jars.....lb. 3.85 - 3.90
Lactate, U.S.P., bbls., 200 lbs.lb. .23 - —
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports, for shipment during Oct.-Nov..ton.28.00 - —
Palmitate, bbls.....lb. .23½- .24½
Phosphate, dibasic, precip., 38-42% P_2O_5, bgs., c.l.f., Atlantic ports, shipt..unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0765- —
Resinate, precip., bbls., 1 ton, lb. .13 - —
smaller lots .....lb. .14 - —
Stearate, precip., bbls., cns., c.l..lb. .20½- —
l.c.l., 1 ton.....lb. .21½- —
Sulphate (see Gypsum).
Sulphide, 70%, CaS., bgs., c.l., wks..ton.46.00 - —
30%, CaS, bgs., c.l., wks..ton.51.00 - —
luminous, dom., tins, works., 100 lbs..lb. 1.25 - —
Sulphocarbolate, bbls., 200 lbs..lb. .48 - —
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .40 - .41
Calomel, bbls., fib., dms., kgs., 50 lbs. or more..lb. 2.57 - —
Camphor, natural, powd., cs....lb. .70 - .75
slabs, cs. .....lb. .70 - .75
tablets, tins .....lb. .75 - .80
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .35 - —
smaller lots, works....lb. .40 - —
USP, or import., gran., powd., bbls., 2,000-lb. lots....lb. .50 Nom.
1,000-lb. lots.....lb. .51 Nom.
smaller lots.....lb. .52 Nom.
tablets, 2,000-lb. lots....lb. .61 Nom.
1,000-lb. lots.....lb. .64 Nom.
smaller lots.....lb. .65 Nom.
Monobromate, bxs., kgs.....lb. 1.75 - 1.80
Canada balsam (see Fir balsam).
Canary seed, Argentina, bgs...lb. .04½- .05
Morocco, bgs.....lb. .04½- .04½
Turkish, bgs.....lb. .04½- .05
Canella alba bark, bls.....lb. .29 - .30
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. .90 - .95
powd., bxs. .....lb. 1.10 - 1.15
Russian, cs. .....lb. 3.25 - 3.30
powd., bxs. .....lb. 3.75 - 3.80
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs...lb. .16½- .17
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
90%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm., dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Dimethylethyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .33 - —
l.c.l., works .....lb. .34 - —
tanks, works .....lb. .32 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R..lb. .06 - —
l.c.l. same basis.....lb. .06¾- —
5-gal. dms., c.l., same basis. lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls. .....lb. .06 - .08
Tetrachloride, Zone 1, 52½ gal. dms., c.l., frt. alld. gal. .66½- —
l.c.l., frt. alld.....gal. .73 - —
5 or 10 gal., dms., c.l., frt. alld..gal. .80 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½ gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10 gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½ gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld.....gal. .95 - —
5 or 10 gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l..frt. alld.....gal. 1.20 - —
Zone 4, 52½ gal., dms., c.l.gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10 gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4 in which case the prices indicated are based on f.o.b. cars, L. A., Cal., S. F., Cal., Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1, includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W. Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2, includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3, includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M., and Texas. Zone 4, includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom, bleached, cs.....lb. 1.55 - 2.00
decorticated, cs. .....lb. 1.00 - 1.05
green, bgs. .....lb. .65 - .90
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk...lb. .12 - .13
Case-hardening mixture, 30% lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .20 - —
5 tons, works.....lb. .21½- —
smaller lots, works.....lb. .23 - —
80-100 mesh, bgs.....lb. .20½- —
5 tons, works.....lb. .22 - —
smaller lots, works.....lb. .23½- —
Import, Argent., 20-30 mesh, bgs., c.l., duty paid..lb. .17 Nom.
80-100 mesh, bgs., c.l., duty paid..lb. .17½ Nom.
French, 30 mesh, bgs., c.l., duty paid..lb. .14 Nom.
Cassia, Batavia, 1, bgs.....lb. .19 - .19½
shortstick, bls.....lb. .15 - .16
broken, bls.....lb. .13½- .14
China, rolls, select, bls.....lb. .11½- .12
broken, extra, bls.....lb. .11½- .12
Saigon, bls. .....lb. .17 - .18
Cassia buds, cs.....lb. .14 - .15
Cassia fistula, bskts.....lb. .18 - .19
Castile soap, Italian, white, bars, 40 lb. cases..case.14.00 - —
powd, bbls.....lb. .33 - .36
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor oil (see Oil, castor).
Pomace, dom., 6½%, ammon., bgs., c.l., works..ton.16.50 - —
import, bgs., c.i.f., ports, shipment..ton.18.00 - —
Catnep leaves, Southern, bls...lb. .22 - .23
Celery seed, French, bgs.....lb. .27½- .28
Indian, bgs. .....lb. .23½- .24
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., cs., 5,000 lbs. and over, frt. alld..lb. .35 - —
100 to 4,950 lbs., same basis..lb. .36 - —
less than 100 lbs., works, lb. .37 - —
Acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld...lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkg., works.....lb. .44 - —
Acetate-propionate, high (20-40% propionyl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld.....lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld...lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld.lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkg., works.....lb. .44 - —
medium (10-19.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkg., works.....lb. .46 - —
Triacetate, flake, cs., 5,000 lbs. and over, frt. alld...lb. .35 - —
100 to 4,950 lbs., same basis..lb. .36 - —
less than 100 lbs., works, lb. .37 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b., works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b., works..lb. .06¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .50 - .55
Roman, bls.....lb. .40 - .45
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.30.40 - —
Colo. .....ton.29.00 - —
Conn., Me., Mass., N. H., R. I., Vt.....ton.30.80 - —
Ill. (except river point), Minn., Neb., Wis., ton.27.00 - —
Indiana .....ton.28.00 - —
Mo., Okla., Tex. (except El Paso)...ton.25.00 - —
Kansas, El Paso, Tex., ton.26.00 - —
Michigan .....ton.29.80 - —
Ohio, Penn. .....ton.29.80 - —
Utah .....ton.86.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., wks..lb. .02½- —
l.c.l., bbls., wks.....lb. .02¾- —
tanks, wks.....lb. .01¾- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., works...ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton.26.00 Nom.
powd., cakes., l.c.l., ex dock. ton.39.00 Nom.
ex whse.....ton.42.00 Nom.
Chloral hydrate, bots., 1,000 lbs., lb. .88 - .92
500 lbs.....lb. .86 - .95
100 lbs.....lb. .88 - .97
25 lbs.....lb. .90 - .99
1-10 lbs.....lb. .95 - 1.02
dms., 1,000 lbs.....lb. .80 - —
500 lbs.....lb. .83 - —
100 lbs.....lb. .85 - —
Chlorinated rubber, 5 cps., bgs., c.l., works..lb. .40 - —
ton lots, works.....lb. .42 - —
smaller lots, works.....lb. .45 - .50
10-1,000 cps., bgs., c.l., works, lb. .35 - —
ton lots, works.....lb. .37 - —
smaller lots, works.....lb. .40 - .45
Chlorine, liq., cyls., c.l., dlvd., N. Y..lb. .05¼- —
contracts, dlvd., N. Y..lb. .05½- —
l.c.l., dlvd., N.Y.....lb. .07¼- —
tanks, single unit, works, frt. equald..100 lbs. 1.75 - —
multiple unit, 3 or over, wks., frt. equald., 100 lbs. 1.90 - —
2, works, frt. equald., 100 lbs. 2.15 - —
1, works, frt. equald., 100 lbs. 2.60 - —
Chloracetophenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .25 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, coml, 180-lb. cyls., works..lb. .80 - —
100 lb. cyls., works.....lb. .85 - —
5-25 lb. cyls., works.....lb. 1.00 - 1.15
Chrome acetate, powd., 24%, bbls., dlvd..lb. .13½- —
solut., 8½% cs., bbls.....lb. .05¾- —
Cake, bulk, c.l., works...ton.15.00 -16.00
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms..100 lbs., lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scales, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 5.00 - —
Cinchona bark, quill, USP., 10 in., medium, cs..lb. .70 - .75
20 in., thick, cs.....lb. .70 - .75
20 in., medium, cs.....lb. .30 - .35
USP, broken quill, red, bgs., lb. .30 - .35
yellow, bgs.....lb. .30 - .35
Cinchonidine, crys., small cns., 100 ozs..oz. .83 - —
large, cns.....100 ozs..oz. .87 - —
powd., cans.....100 ozs..oz. .80 - —
Sulphate, N.F., cns.100 ozs..oz. .47 - —

Cinchonidine buyers must pay a surcharge of 4c. per oz., to cover present war risk insurance, higher ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, crys., small, cns., 100 ozs..oz. .54 - —
large, cns.....100 ozs..oz. .58 - —
powd., cns.....100 ozs..oz. .50 - —
Sulphate, N.F., cns.100 ozs..oz. .34 - —

Cinchonine buyers must pay a surcharge of 4c. per oz., to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, boxes, 5 lbs., lb. 3.75 - —
bots., 1 lb.....lb. 3.27 - —
dms., 100 lbs.....lb. 3.00 - —
Cinnamic alcohol (see Alcohol cinnamic).
Aldehyde, f.c.c., cbys.....lb. .85 - .90
Cinnamon, Ceylon, 2 bls.....lb. .22½- .23
3 bls. .....lb. .21½- .22
Citral, bots., cns.....lb. 1.40 - 3.10
Citrine ointment, jars, tubes..lb. .87 - —
Citronellal, bots., dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.60 - 1.85
Clove, Madagascar, bls.....lb. .28 - .29
Zanzibar, bls.....lb. .29 - .30
Clover tops, bgs.....lb. .35 - .38
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works...bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .06½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works....dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd., lb. .65 - .67
Carbonate, pwd., bgs., wks., lb. 1.25 - 1.60
Chloride, kgs., wks.....lb. .76 - 1.20
Hydrate, bbls.....lb. 1.78 - —
Linoleate, paste, 6%, dms....lb. .51 - —
solid, 8½%, bbls.....lb. .53 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.67 - —
Cobalt, resinate, fused A, bbls.lb. .13½- —
1%, bbls.....lb. .13 - —
2%, bbls.....lb. .14 - —
3½%, bbls.....lb. .17½- —
precip., dms., dlvd.....lb. .34 - —
Sulphate, dms.....lb. .59 - —
Cocaine, hydrochloride, 100 cns., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .35 - .36
Teneriffe, silver, bgs.....lb. .36 - .39
Cocoa butter, bulk, c.l., bgs...lb. .14 - .14½
Cocillana bark, bgs.....lb. .48 - .50
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs..oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .06½- .07
Blue, root, bls.....lb. .06 - .07
Colchicine, bots., 4 ozs.....oz.18.00 - —
single ozs. .....oz.19.00 - —
Colchicum seed, bgs.....lb. .36 - .40
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .16 - —
Flexible, USP, dms., 325 lbs.lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.. .....lb. .75 - .80
Colombo root, bls.....lb. .20 - .21
Coltsfoot leaves, bgs.....lb. .14 - .16
Condurango bark, bgs.....lb. .14 - .16
Conium leaves, bls.....lb. .30 - .32
Copaiba balsam, Para, cns...lb. .35 - .36
S. A. USP, cns.....lb. .37 - .39
Copper acetate, normal, bbls., dlvd..lb. .21 - —
smaller containers, dlvd..lb. .23 - —
Carbonate, 52-54%, bbls.....lb. .1690 Nom.
Chloride, cryst., bbls.....lb. .18 Nom.
Cyanide, tech., bbls.....lb. .34 Nom.
Iodide, bots.....lb. 4.97 - 5.02
Metal, electrolytic.....lb. .12½- —
Nitrate, cryst., bbls.....lb. .17 Nom.
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, 79-80% bbls., tons, works..lb. .18¾ Nom.
Red, com'l., 80-88%, kgs., f.o.b. N. Y..lb. .20 Nom.
Resinate, precip., bbls.....lb. .15 - .16
Stearate, precip., bbls.....lb. .24½- .25½
Sulphate (see Blue vitriol).
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
bbls., c.l., works.....ton.19.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.45 - —
5-24, works.....100 lbs. 1.55 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, shpt.....lb. .0210- —
Coriander seed, Morocco, bgs..lb. .07½- .08
bleached, bgs. .....lb. .10 - .10½
Corn sugar, Tanner's chipped, bgs., c.l., dlvd..100 lbs. 3.04 - —
slabs, bbls., c.l.....100 lbs. 2.96 - —
solid, bbls., c.l.....100 lbs. 3.08 - —
Syrup, 42°, bbls., c.l....100 lbs. 3.07 - —
Cornsilk, bls.....lb. .12 - .14
Cornsilk, bls.....lb. .14 - .15
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.14 - —
gran., powd., dms., 50 lbs. or more..lb. 1.99 - —
Cottonroot bark, bls.....lb. .11 - .12
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd., unit-ton. 1.10 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.35 - 3.60
less than 5 lbs., cns.....lb. 4.15 - 4.65
Cramp, bark, genuine, bls.....lb. .23 - .24
so-called, bls. .....lb. .06 - .07
Cranesbill root, bls.....lb. .13½- .14
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .25¼- —
smaller lots, bbls.....lb. .25¾- —
kgs. .....lb. .26¼- —
Creosote, beechwood, bots.....lb. .70 - .75
Hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.40 - 1.75
Oil, crude, tanks, works....gal. .13½- .14½
Coaltar, solution, tanks, works, gal. .122 - .132
refd., bbls., l.c.l., works..gal. .25 - —
tanks, works .....gal. .18 - .18½
Cresol, USP, dms., c.l., works.lb. .09¼- —
l.c.l., same basis.....lb. .10 - —
special resin grade, dms., c.l., works..lb. .08¼- —
l.c.l., same basis.....lb. .08¾- —
Crotonaldehyde, 97%, 55 and 110 gal. c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works..lb. .15 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more..lb. .24 - .25
2,000 lbs. to 10,000 lbs..lb. .25 - .26
1,000 lbs. to 2,000 lbs..lb. .26 - .27
200 lbs. to 1,000 lbs.....lb. .27 - .28
4% rotenone prices are 4c. per lb. less.

Cube, powd., contracts have no protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.

Cubeb berries, XX, bgs.....lb. .42 - .44
powd., cs. .....lb. .47 - .48
Culver's root, bls.....lb. .15 - .16
Cumin seed, Algerian, bgs....lb. .21 Nom.
Morocco, bgs.....lb. .21 Nom.
Cutch, Borneo, extract, solid, f.a.s., bgs..lb. .04 - —
Cyanamide, 22%, N_2, pulv., bgs., dlvd., contracts, N_2, unit ton. 1.27½- —
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
Cyclohexane, 98-100%, dms., works, frt. alld., E. of Rockies..lb. .25 - —
Cyclohexanol, 98-100%, dms., works, frt. alld., E. of Rockies..lb. .30 - —
Cyclohexanone, 98-100%, dms., works, frt. alld., E. of Rockies..lb. .58 - —

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Damiana leaves, bls.....lb. .20 - .21
Dandelion root, German, bls...lb. .27 - .28
Deertongue leaves, bls.....lb. .10 - .11
Degras, common, dom., bbls...lb. .09½- .10
English, bbls.....lb. .10 Nom.
neutral, dom., bbls.....lb. .12 - .15
English, bbls.....lb. .12 - .15
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equal'd., with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .24 - .29
2,000 lbs., to 10,000 lbs..lb. .26 - .30
1,000 lbs. to 2,000 lbs. lb. .28 - .32
200 lbs. to 1,000 lbs..lb. .30 - .34
4% rotenone prices are 6c. per lb. less.

Derris root, powd., contracts give no protection against decline in price. Part deliveries against contract are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.

Derris, extract, 25% rotenone, bulk, cns..lb. 4.00 - 5.00
15% rotenone, bulk cns....lb. 2.25 - 3.25
Devil's club, root bark.....lb. 1.50 - —
Dextrin, British gum, c.l., f.o.b., Chicago..100 lbs. 3.70 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.80 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.65 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.55 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.40 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.60 - —
Potato, import, bgs.....lb. .07½ Nom.
Diacetone (see under Alcohol).
Diacetyl, bots.....lb.10.00 -11.00
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., c.l., dlvd...lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tanks, dlvd.....lb. .20 - —
Sulphide, dms., l.c.l., works.lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .48 - .50
tanks, works.....lb. .45 - —
Diamylene, dms., c.l., works..lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .20 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l.....lb. .20 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton.22.00 -35.00
l.c.l., ex whse.....ton.45.00 -150.00
import, bgs., c.l., c.i.f.....ton.23.00 Nom.
Dibutylamine, dms., c.l., works, lb .50 - —
l.c.l.....lb. .51 - .53
tanks, works.....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd...lb. .19 - —
l.c.l., dlvd.....lb. .19½- —
tanks, dlvd.....lb. .18 - —
cns., works.....lb. .23½- .24½
Sebacate, dms., wks.....lb. .45 - —
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (see Calcium phosphate, dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentane, dms., c.l., works, lb. .0821- —
l.c.l.....lb. .04 - —
tanks.....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .24 - —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .23 - —
Diethyl carbonate, coml., dms.lb. .25 - —
refd., 95%, dms.....lb. .25 - —
Carbinol (see Carbinol).
Phthalate, dms., c.l., frt. alld. lb. .19 - —
l.c.l.....lb. .19½- —
tanks.....lb. .18 - —
Sulphate, dms., c.l., works..lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks.....lb. .13 - —
Diethylaniliin, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., works, lb. .16 - —
l.c.l., works.....lb. .17 - —
Monobutylether, dms., works.lb. .23 - .24
Monoethylether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Digitalis leaves, dms.....lb. .40 - .45
Diglycol laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .13 - —
Stearate, bbls., c.l.....lb. .20 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, recleaned, bgs.....lb. .15 - .16
Dimethyl phthalate, dms., c.l., dlvd..lb. .18½- —
l.c.l., dlvd.....lb. .19 - —
tanks, dlvd.....lb. .17½- —
Dimethylaniliin, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Dimethylethyl carbinol (see Carbinol)
Dinitrobenzene, bbls., 80° min., lb. .18 - —
Dinitrochlorobenzene, dms....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .15½- —
oily, dms.....lb. .09 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks.....gal. .41 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .18
Oxide, perfume grade, cns...lb. .50 - .55
Diphenylamine, bbls.....lb. .31 Nom.
Diphenylguanidin, dms., 2,000 lbs., or over, dlvd..lb. .25 - —
600-1,950 lbs., dlvd.....lb. .26 - —
150-450 lbs., dlvd.....lb. .27 - —
Diphenylmethane, bots.....lb. 1.40 - 2.00
Disodium phosphate (see Soda phosphate, dibasic).
Divi-divi extract, bbls.....lb. .05¾- .06¾
Doggress root, cut, bls.....lb. .20 - .21
Dogwood bark, Jamaica, bls., lb. .08 - .09
Dover's powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .70
reeds, thin, cs.....lb. .90 - .95

Dyes, coaltar, for coloring foods (certified)

Blue:—
Brilliant blue FCF, cans. lb.13.50 - —
1180 Sodium indigo disulphonate, cns..lb.13.50 - —

Green:—
Fastgreen FCF, cns..lb.27.50 - —
666 Guinea green B., cns. lb.13.50 - —
670 Light green SF, yellowish, cns..lb.17.50 - —

Orange:—
150 Orange I, cns.....lb. 2.90 - —

Red:—
184 Amaranth, cns.....lb. 3.15 - —
773 Erythrosin, cns.....lb.17.50 - —
80 Ponceau 3R, cns.....lb. 6.00 - —
Ponceau SX, cns.....lb. 5.75 - —

Yellow:—
10 Naphthol yellow S, cns.lb. 6.50 - —
Sunset yellow FCF, cns. lb. 3.15 - —
640 Tartrazin, cns.....lb. 3.15 - —
22 Yellow AB, cns.....lb. 2.65 - —
61 Yellow OB, cns.....lb. 2.65 - —

Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
86 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
58 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .85 - 1.00
176 Fast red A.....lb. .80 - .75
180 Fast red VR.....lb. 1.50 - 1.65
189 Lake red R, paste....lb. .85 - .90

Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
189 Lake red R, powd....lb. 3.00 - 3.10
202 Chrome blue black U.lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
259 Fast cyanin 5R.....lb. .90 - 1.00
269 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B..lb. .80 - .85
326 Direct cast scarlet....lb. 2.00 - 2.25
404 Paper yellow.....lb. .83 - .90
405 Chrysophenin G.....lb. .58 - .70
424 Direct violet N.....lb. 1.25 - 1.30
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN.lb. .50 - .75
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B....lb. .40 - .42½
496 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B...lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast, black, FF.lb. .95 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .35 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin.....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble). lb. .35 - .50
1177 Indigo, 20 p. s. paste.lb. .15 - .18
Benzo fast black L....lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —

Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
Sulphur olive.....lb. .25 - .54
Sulphur tan.....lb. .30 - .50
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .90

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse)

Black:—
865 Nigrosin derivatives..lb. .42 - —

Blue:—
1075 Alizarin astrol base...15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —

Browns:—
Brown.....lb. 1.15 - —

Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green.....lb. .75 - —

Orange:—
24 Sudan I.....lb. .75 - —
.... Orange, red shade.lb. .75 - —

Red:—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink) lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —

Yellow:—
13 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —

Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).

Dyes, coaltar, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse)

Black:—
864 Nigrosin.....lb. .40 - —

Blue:—
860 Indulin.....lb. .70 - —

Brown:—
331 Bismarck brown.....lb. 1.50 - —

Green:—
637 Malachite green base.lb. 2.00 - —

Orange:—
20 Chrysoidin G.....lb. .92 - —
21 Chrysoidin R.....lb. .95 - —

Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —

Yellow:—
67 Amidoazotoluene yellow..lb. .75 - —
655 Auramine.....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —

Violet:—
680 Methyl violet.....lb. .70 - —

Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).

Black:—
246 Naphthol blue black S, lb. .50 - —
873 Methylene gray.....lb. 1.50 - —

Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin.....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —

Feeding time

Into the maw of this one-ton container—newly cleaned and inspected, valves thoroughly checked—Jim Lunney, at Mathieson's Niagara Falls plant, runs Mathieson Liquid Chlorine until the scales show a full load. Then the container goes aboard one of the multiple unit tank cars developed by Mathieson engineers to carry fifteen of these one-ton units of liquid chlorine.

Scrupulous attention to every detail of production, handling and shipping has helped establish Mathieson's position as one of the world's largest shippers of liquid chlorine and one of the most dependable sources of supply.

Mathieson Chemicals

THE MATHIESON ALKALI WORKS (INC.)
60 E. 42ND STREET, NEW YORK, N.Y.

SODA ASH . . . CAUSTIC SODA . . . BICARBONATE OF SODA . . . LIQUID CHLORINE . . . BLEACHING POWDER . . . HTH PRODUCTS . . . AMMONIA, ANHYDROUS and AQUA . . . FUSED ALKALI PRODUCTS . . . CCH (INDUSTRIAL HYPOCHLORITE) . . . DRY ICE . . . CARBONIC GAS . . . ANALYTICAL SODIUM CHLORITE

Dyes—Gum, Copal

Dyes, coaltar, for stains, water-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 5c. per lb. higher; f.o.b. sellers' works or warehouse)

Brown:—
234 Resorcin brown Y...lb. .65 - —
235 Resorcin dark brown R lb. .66 - —
231 Bismarck brown G..lb. .52 - —
332 Bismarck brown R..lb. .37 - —
793 Phosphin .....lb. 4.65 - —

Green:—
5 Naphthol green B...lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
824 Methylene green B..lb. 1.55 - —
1078 Alizarin cyanin green lb. 2.35 - —

Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .14 - —

Red:—
81 Amidonaphthol red G. lb. .42 - —
87 Amidonaphthol red 9B. lb. .68 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .50 - .52
183 Crocein scarlet 3BX.lb. .72 - .75
185 Cochineal red A....lb. .60 - —
252 Brilliant crocein M..lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 2.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —

Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
696 Acid violet 4BN....lb. .98 - —

Yellow:—
10 Naphthol yellow S..lb. .93 - —
159 Metanil yellow.....lb. .53 - —
696 Fast light yellow...lb. 1.25 - —
699 Xylene light yellow.lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
835 Auramine .....lb. 1.27 - —

Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .18 - .19
Egg albumen (see Albumen).
yolk, dom., bbls.....lb. .62 - .64
imported .....lb. .59 - .62
Elder flowers, bright, bls.....lb. .45 - .47
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. .10½- .11
powd., bbls., bxs.....lb. .20 - .21
select, bndls. .....lb. .19 - .21
Emetine hydrechloride, bots..oz.19.00 -19.50
Ephedra, bls. .....lb. .10 - .10½
Ephedrine, tins, 1,000 ozs.....oz. 1.50 - —
tins, 100 ozs.....oz. 1.60 - —
Hydrochloride, tins, 1,000 oz., lots..oz. 1.25 - —
tins, 100 oz., lots.....oz. 1.35 - —
Sulphate, cryst., tins, 1,000-oz. lots..oz. 1.25 - —
tins, 100-oz. lots.....oz. 1.35 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs 1 withdrawal..100 lbs. 2.25 - —
smaller lots....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots....100 lbs. 2.85 - —
dried, dom., bgs., l.c.l...lb. .08 - .09
Ergot, USP, cns., dms.....lb. 2.75 - 2.85
Eserine, bots. .....oz.42.00 - —
Salicylate, bots. .....oz.36.00 - —
Sulphate, bots. .....oz.36.00 - —
Ether, acetic (see Ethyl acetate)
Butyl, dms., c.l., dlvd.....lb. .24½- —
l.c.l., dlvd. .....lb. .25 - —
cns. .....lb. .28 - .31
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .68 - —
Sulphuric, conc., dms., 120 lbs., lb. .09 - —
cns., 27 lbs. .....lb. .14 - —
synth., dms., c.l., works..lb. .08 - —
l.c.l., works.....lb. .09 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
USP, 1890, dms.....lb. .39 - .40
washed, dms. .....lb. .37 - .38
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .071 - —
l.c.l., frt. alld.....lb. .076 - —
tanks, frt. lld.....lb. .061 - —
95-98%, dms., c.l., frt. alld..lb. .0785- —
l.c.l., frt. alld.....lb. .0835- —
tanks, frt. alld.....lb. .0685- —
N. F., VI, 90%, dms., 400 lbs..lb. .09 - —
cns., 35 lbs.....lb. .13 - .14
USP, VIII, 90%, dms., 460 lbs. lb. .08 - —
cns., 35 lbs.....lb. .13 - —
Acetoacetate, dms., c.l., works., lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.20 - 4.00
crotonate, 55 gal. dms., dlvd., lb. .35 - —
Formate, cns., dms.....lb. .23 - .24
5 and 10 gal. dms., dlvd....lb. .75 - —
1 gal. cns.....lb. 1.00 - —
Iodide, bots.....lb. 5.01 - —
Lactate, 55-gal. dms., works. lb. .23½- —
5-gal. dms., works.....lb. .37½- —
Oxalate, dms., frt. alld.....lb. .26 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25 lbs. lots., cns., lb. 6.00 - —
5-lb. lots .....lb. 6.05 - —
1-lb. lots, cns.....lb. 6.15 - —
Ethylcellulose, contr.cts., bgs., c.l., frt. alld..lb. .45 - —
contracts, 500 lbs. or more, f.t. alld..lb. .47 - —
500 lbs. or more frt. alld., lb. .48 - —
100 to 499 lbs., frt. alld., lb. .50 - —
smaller lots, works.....lb. .55 - —
Ethylene bromide, dms.....lb. .65 - .70
Dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0545- .0550
West of Rockies, same basis..lb. .0595- .06
l.c.l., works, E. of Rockies, frt. alld..lb. .0644- .0654
West of Rockies, same basis..lb .0694 .07

Ethyleneglycol, dms., c.l.....lb. .16 - —
l.c.l. .....lb. .17 - .20
tanks .....lb. .15 - —
Monobutylether, dms., c.l., works..lb. .18 - —
l.c.l., works.....lb. .19 - .22
tanks, works.....lb. .17 - —
Monoethylether, dms.,c.l.,works, lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Monoethylether, acetate, dms., c.l., works..lb. .13 - —
l.c.l., dms. .....lb. .14 - —
tanks, works.....lb. .13 - —
Monomethylether, dms., c.l., works..lb. .17 - —
l.c.l., works.....lb. .18 - —
tanks works.....lb. .16 - —
Ethylidinanilin, dms. .....lb. .45 - .47½
Eucalyptol, cns., dms.....lb. .85 Nom.
Eucalyptus leaves, bls.....lb. .13 - .15
Eugenol, cns., dms.....lb. 2.25 - 2.50
Euphorbia, bls.....lb. .15 - .17

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
glass, 20 mesh, bulk, works.ton. 9.75 -13.25
l.c.l., same basis.....lb. .19½- —
Feldspar, glass, 88/251, bgs., c.l., same basis..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
pottery, bulk, Me., works...ton.17.00 -19.00
N.C. works .....ton.17.00 -19.00
Fennel seed, Indian, bgs.....lb. .15 - .16
German, large, bgs.....lb. .33 - .34
Fenugreek seed, bgs.....lb. .08 - .10
Ferric Sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l. .....ton.40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs., or over, works...lb. .10½- —
smaller lots, works...lb. .12 - —
light, cs., 1,000 lbs. or over, works..lb. .11½- —
smaller lots, works...lb. .13 - —
water white, cs., 1,000 lbs., or over, works..lb. .12½- —
smaller lots, works...lb. .14 - —
Fir balsam, Canada, cns.....gal.11.00 -11.50
Oregon, bbls.....gal. .90 - 1.00
Fish berries, bgs.....lb. .17 - .19
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. 4.25 & .10
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto..ton.58.00 - —
wet, acidulated, 6-7% ammon., 3-4% phosphor, acid, bulk, So. Atlantic factories, contracts..unit-ton. 3.00 & .50
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, Oct.-Nov., Shipt...ton.53.50 - —
spot..ton.54.00 - —
Flake, white, bbls., kgs.....lb. .10¼- —
Fleaseed, French, black, bgs..lb. .20 - .21
Indian, blonde, bgs.....lb. .10 - .11
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, net ton.31.60 - —
washed gravel, 85-5, f.o.b. Ill.-Ky. mines..net ton.20.00 -20.50
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines...net ton.20.00 -22.00
imported, 85.5, duty paid, short ton.25.00 Nom.
Formaldehyde, bbls., c.l., works, lb. .05¾- —
l.c.l., works .....lb. .06¼- —
dms., c.l., works.....lb. .05¼- —
l.c.l., works .....lb. .05¾- —
tanks, works .....lb. .04½- —
Fringetree bark, bls.....lb. .12 - .14
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines..ton.10.00 - —
import, bgs., c.l., ex dock.ton.25.00 Nom.
l.c.l., ex whse.....ton.32.00 Nom.
Furfural, refd., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl., dlvd., lb. .16 - .17½
Fustic extract, cryst., bbls....lb. .22 - .26
liquid, bbls.....lb. .09½- .13
solid, dms.....lb. .17½- .19½

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .20 - .22
Gambier, common, cases.....lb. .08 Nom.
plantation, cases.....lb. .10 Nom.
Cubes, Singapore, cases....lb. .11 Nom.
extract, bbls.....lb. .09 - .12
Gasoline, at refinery:—
Bayonne, US motor, below 65 octane, tanks..gal. .07¼- .07½
65 octane and above, tanks, gal. .07½- .08
California, 54-58, tanks...gal. .06½- .08
Gulf Coast, U.S. Motor, bulk, gal. .06 - —
60-62, 390 e.p., bulk, export, gal. .05¾- —
70-72, 400 e.p., bulk, export, gal. .06¾- —
64-66, 375 e.p., bulk, export, gal. .06¼- —
Louisiana-Arkansas, US motor, 62 octane, tanks..gal. .04 - .04¼
63-66 octane, tanks....gal. .04¾- .04¼
67-69 octane, tanks....gal. .04¼- .04¾
70-72 octane, tanks....gal. .04¾- .05¼
Oklahoma-Texas, US motor, 53 octane and below, tanks..gal. .04¾- .05
third grade, tanks..gal. .04¾- .05
53-56 octane, tanks....gal. .05½- .05¾
57-59 octane, tanks....gal. .05½- .05½
70-72 octane, tanks....gal. .05½- .05¾
natural, 12-lb. v.p., tanks...gal. .06 - .06¼
14-lb. v.p., tanks.....gal. .05¾- —
18-lb. v.p., tanks.....gal. .05½- .05½
22-lb. v.p., tanks.....gal. .04¾- —
26-70 lb. v.p., tanks...gal.. .04¼- —
below 60 octane, tanks.gal. .05 - —
65 octane, tanks.....gal. .07 - —
52-56 650 e.p., naphtha, tanks..gal. .05½- —
Gelatin, silver, cs.....lb. .42 - .43
Geisemium root, bls.....lb. .11 - .12
Gentian root, bls.....lb. .20 - .22
grd., bbls., bxs.....lb. .23 - .25
powd., bbls., bxs.....lb. .25 - .27
Geraniol, cns., dms.....lb. .67 - 3.00
Geranyl acetate, bots., dms...lb. 1.20 - 2.50
Ginger root, African, bgs.....lb. .08½- .09
Cochin, leman, bgs.....lb. .09½ Nom.
Jamaica, bold, bgs.....lb. .13 - .13½
grinding, bright, bgs.....lb. .09½- .09¾
medium, bgs .....lb. .10½- .11
Japanese, bgs.....lb. .09 - .09½
Ginseng root, wild, Southern, cs., lb.12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.18
5 tons or over, works....100 lbs. 1.05 - 1.25
less than 5 tons, works..100 lbs. 1.15 - 1.35
import, bgs.....100 lbs. No prices
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs, c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .13½- —
36/58, bgs., c.l., dlvd.....lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
58/82, bgs., c.l., dlvd.....lb. .14 - —
l.c.l., dlvd.....lb. .14½- —
82/108, bgs., c.l., dlvd....lb. .14½- —
l.c.l., dlvd.....lb. .15 - —
hide, calcimine type, 58 millipose 135 jelly grams, bgs., c.l., dlvd., East, Middlewest..lb. .15 - —
l.c.l., same basis.....lb. .15½- —
60/164, bgs., c.l., same basis, lb. .16½- —
l.c.l., same basis.....lb. .17 - —
67/122, bgs., c.l., same basis, lb. .17½- —
l.c.l., same basis.....lb. .18 - —
75/222, bgs., c.l., same basis, lb. .18½- —
92/283, bgs., c.l., same basis, lb. .20½- —
l.c.l., same basis.....lb. .21½- —
102/315, bgs., c.l., same basis, lb. .21 - —
l.c.l., same basis.....lb. .22 - —
113/347, bgs., c.l., same basis, lb. .22 - —
l.c.l., same basis.....lb. .23 - —
125/379, bgs., c.l., same basis, lb. .23 - —
l.c.l., same basis.....lb. .24 - —
Glue prices for barrel packing, ½c. lb. higher, grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.
Glycerin, C.P., cns., l.c.l.....lb. .14½- .15
dms., c.l., dlvd.....lb. .12½- —
l.c.l dlvd.....lb. .13 - —
tanks, dlvd.....lb. .12¾- —
dynamite, dms.....lb. Nominal.
high gravity, dms., c.l., dlvd.lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
tanks, dlvd.....lb. .11¾- —
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., dlvd.lb. .09 - —
l.c.l., same basis....lb. .09½- .10
tanks .....lb. .08¾- —
for refiners, dms., returnable, tanks, dlvd..lb. .08¾ Nom.
soapiye, basis 80%, dms., tanks, returnable, dlvd..lb. .07¾ Nom.
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms.....lb. .35 - —
Stearate, dms.....lb. .24 - —
Gold, U.S. purchase price....oz.35.00 - —
Chloride, acid brown, bots..oz.20.75 -21.00
yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure seed, bgs.....lb. .12 - .13
Goldenseal, root, bls.....lb. 3.60 - 3.65
powd., bxs.....lb. 3.90 - 3.95
Grains of paradise, bgs.....lb. .75 - .80
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphitic carbon, bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06¼- —
l.c.l., works.....lb. .06½- —
amorph., powd., 90%, 325 mesh, 85% graphitic carbon, bgs., c.l. works.....lb. .02½- —
85% graphitic, carbon, bbls., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
50% graphitic, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04¼- —
Grease, house, loose.....lb. .05¾- .05¾
White .....lb. .06 - .06½
Yellow .....lb. .05¾- .05¾
Wool (see Adeps lanae and Degras).
Green, chrome, C.P., dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis..lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23½- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½- —
31-35%, bbls., same basis.lb. .25½- —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½- —
46-50%, bbls., same basis.lb. .29 - —
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La., (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, C.P., color content up 5%, same basis..lb. .06 - —
6-10%, bbls., same basis.lb. .06¾- —
11-12%, bbls., same basis.lb. .07¼- —
14-16%, bbls., same basis.lb. .07¼- —
17-19%, bbls., same basis.lb. .07¾- —
20-21%, bbls., same basis lb. .08 - —
22-23%, bbls., same basis.lb. .08¼- —
24-25%, bbls., same basis.lb. .08½- —
26-27%, bbls., same basis.lb. .08¾- —
28-29%, bbls., same basis.lb. .09¼- —
30-31%, bbls., same basis.lb. .10 - —
32-33%, bbls., same basis.lb. .11¼- —
34-35%, bbls., same basis.lb. .12¼- —
36-40%, bbls., same basis.lb. .14¼- —
41-45%, bbls., same basis.lb. .16¾- —
46-50%, bbls., same basis.lb. .16¾- —
51-55%, bbls., same basis.lb. .17¼- —
56-60%, bbls., same basis.lb. .17¾- —
61-65%, bbls., same basis.lb. .18¼- —
66-70%, bbls., same basis.lb. .19¼- —
71-75%, bbls., same basis.lb. .20¼- —
Oxide, dcms., pure, bbls...lb. .28 - —
ceramic, light shades, bbls., c.l., works..lb. .28 - —
l.c.l., works .....lb. .30 - —
standard grade, bbls., works..lb. .22 - .23
Tetrahydroxide, bbls.....lb. .85 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 2.50 - —
emerald kgs .....lb. 2.35 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .09 - .10
Guaiac resin, cs.....lb. .30 - .35
strained, cs.....lb. .80 - .85
Wood, bls. .....lb. .04 - .05
Guaiacol, liq., djns.....lb. 1.65 - 1.91
Carbonate, fib., dms., 25 lbs..lb. 2.40 - 2.74
Guarana, powd., cs.....lb. 1.10 - 1.13
Gum, aloe (see A).
Ammoniac, tears, cs.....lb. .85 - .90
Gum, arabic, amber sorts, cleaned, bgs..lb. .24 Nom.
white, sorts, 1, bgs.....lb. .35 Nom.
2, bgs.....lb. .34 Nom.
powd., bbls.....lb. .27 Nom.
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 1.40 - 1.60
Sumatra, cs.....lb. 33 - .34
Camphor (see C).
Chicle, prime, 33% moisture, bgs., ton lots..lb. .34 - .35
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran.....lb. .46¾ Nom.
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ½c. higher for 10 bgs. or over; ½c. higher for 1-9 bgs.
Congo, cloudy, white, bgs., c.l., same basis..lb. .36¾ Nom.
3, selected pale straw bold, bgs., c.l., same basis..lb. .23½ Nom.
4, pale bold straw, bgs., c.l., same basis..lb. .24¾ Nom.
5, pale, straw bold, bgs., c.l., same basis..lb. .19½ Nom.
6, pale amber bold, bgs., c.l., same basis..lb. .20½ Nom.
7, pale, straw, bold, bgs., c.l., same basis..lb. .16 Nom.
8, light amber bold, bgs., c.l., same basis..lb. .15¾- Nom.
9, medium light amber, bold, bgs., c.l., same basis..lb. .11½ Nom.
10, rescraped hard amber bold, bgs., c.l., same basis, lb. .12¾ Nom.
11, hard dark amber bold, bgs., c.l., same basis..lb. .09¾ Nom.
12, selected bold sorts, bgs., c.l., same basis..lb. .09¾ Nom.
13, dark sorts bold, bgs., c.l., same basis..lb. .07¾ Nom.
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .22½ Nom.
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .09¼ Nom.
16, inferior ivory sorts., bgs., c.l., same basis..lb. .07½ Nom.
17, pale, fingers, bgs., c.l., same basis..lb. .19¼ Nom.
18, pale straw nubs, bgs., c.l., same basis..lb. .16 Nom.
19, pale straw nubs, bgs., c.l., same basis..lb. .15¾ Nom.
20, hard dark amber nubs, bgs., c.l., same basis..lb. .11¼ Nom.
21, ordinary selected nubs, c.l., same basis..lb. .09½ Nom.
22, small mixed nubs, bgs., c.l., same basis..lb. .08¼ Nom.
23, dark mixed nubs, bgs., c.l., same basis..lb. .08½ Nom.
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .18½ Nom.
25, No. 2, natural ivory nubs, bgs., c.l., same basis, lb. .08½ Nom.
26, pale, bold chips, bgs., c.l., same basis..lb. .08½ Nom.
27, pale small nubs, bgs., c.l., same basis..lb. .07¾ Nom.
28, pale dust, bgs., c.l., same basis..lb. .05¾ Nom.
Batu, bold, scraped, bgs., c.l., same basis..lb. .08¾ Nom.
unscraped, bgs., c.l., same basis..lb. .07¾ Nom.
chips, bgs., c.l., same basis..lb. .07¾ Nom.
dust, bgs., c.l., same basis..lb. .07½ Nom.
nubs and chips, bgs., c.l., same basis..lb. .07¾ Nom.
black, bold, scraped, bgs., c.l., same basis..lb. .10½ Nom.
unscraped, bgs., c.l., same basis..lb. .07¾ Nom.
nubs and chips, bgs., c.l., same basis..lb. .07¾ Nom.
Hiroe, Macassar, pale, bold, bgs., c.l., same basis..lb. .15¼ Nom.
chips, bgs., c.l., same basis..lb. .08½ Nom.
dust., bgs., c.l., same basis..lb. .07½ Nom.
nubs, bgs., c.l., same basis..lb. .13¾ Nom.
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .18½ Nom.
chips, bgs., c.l., same basis, lb. .10¼ Nom.
dust, bgs.,c.l.,same basis.lb. .07½ Nom.
nubs, bgs., c.l., same basis, lb. .14¾ Nom.
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .13¾ Nom.
light, bskts., c.l., same basis..lb. .15¾ Nom.
Loba A, bskts., c.l., same basis..lb. .13¾ Nom.
B, bskts.,c.l.,same basis.lb. .13 Nom.
C, bskts., c.l., same basis, lb. .12¾ Nom.
CNE, bskts., c.l., same basis..lb. .10½ Nom.
D, bskts., c.l., same basis, lb. .11¾ Nom.
DK, bskts., c.l., same basis, lb. .09¾ Nom.
dust, bskts.,c.l.,same basis, lb. .07¾ Nom.
Sambas and white split chips, bskts., c.l., same basis..lb. .17½ Nom.
Singapore, dust., bskts., c.l., same basis..lb. .07¾ Nom.
spirit-soluble, CBB, bskts., basis..lb. .11¾ Nom.
DBB, bskts., c.l., same basis..lb. .11 Nom.
MA, bskts., c.l., same basis, lb. .09¾ Nom.
MB, bskts., c.l., same basis, lb. .09¼- —
WS, bskts., c.l., same basis, lb. .11 Nom.
Philippine, Manila, amber sorts, bskts., c.l., same basis..lb. .10 Nom.
chips, pale, bskts., c.l., same basis..lb. .11¼- —
pale, small, bskts., c.l., same basis..lb. .10¼ Nom.
extra pale sorts, bskts., c.l., same basis..lb. .11¾ Nom.
nubs, bskts., c.l., same basis..lb. .13¼ Nom.
pale, scraped, bskts., c.l., same basis..lb. .14 Nom.
seeds and dust, bskts., c.l., same basis..lb. .06¾ Nom.
Pontianak, bold., genuine, bgs., same basis..lb. .18½ Nom.
mixed, bgs., c.l., same basis..lb. .16¾ Nom.
split, bgs., c.l., same basis, lb. .16½ Nom.
chips, bgs., c.l., same basis, lb. .09¾ Nom.
nubs, bgs., c.l., same basis, lb. .13¾ Nom.

Gum, dammar, Batavia, A, cs., c.l., same basis as copal..lb. .22¾ Nom.
A/D, cs., c.l., same basis..lb. .15½ Nom.
A/E, cs., c.l., same basis..lb. .13¾ Nom.
B, cs., c.l., same basis..lb. .21½ Nom.
C, cs., c.l., same basis.....lb. .15⅝ Nom.
D, cs., c.l., same basis...lb. .14½ Nom.
dust, cs., c.l., same basis..lb. .07¾ Nom.
E, cs., c.l., same basis...lb. .09⅝ Nom.
F, cs., c.l., same basis...lb. .08¾ Nom.
Singapore 1, cs., c.l., same basis..lb. .19½ Nom.
2, cs., c.l., same basis....lb. .16¾ Nom.
3, cs., c.l., same basis....lb. .09¼ Nom.
chips, cs., c.l., same basis.lb. .12½ Nom.
dust., cs., c.l., same basis, lb. .09¼ Nom.
seeds, cs., c.l., same basis, lb. .10½ Nom.
Elemi, cns., c.l., same basis as copal..lb. .13 Nom.
Ester, dms., divd., New England, N. J., eastern N. Y. and Pa., Del., and Md., 75,000 lbs., contrs. or single shipt., 10,000 lbs., lb. .06¼- .06¾
less than 10,000 lbs., same basis..lb. .06½- .07
divd., western N.Y., and Pa., Ohio,Mich.,Ind.,Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contrs. or straight c.l.....lb. .06¾- .07
l.c.l., same basis.....lb. .07 - .07½
divd., elsewhere, 75,000 lbs., contrs.. or straight, c.l..lb. .07 - .07½
l.c.l., same basis.....lb. .07¼- .07¾
Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.00 - 1.50
Gamboge, pipe, cs.....lb. .75 - .80
powd., bbls.....lb. .80 - .85
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms.....lb. .14 - .33
Kauri, brown, XXX, cs., c.l., lb. .60 Nom.
BX, cs., c.l., same basis..lb. .38 Nom.
B1, cs., c.l., same basis..lb. .28 Nom.
B2, cs., c.l., same basis..lb. .24 Nom.
B3, cs., c.l., same basis..lb. .18½ Nom.
80% chips, cs., c.l., same basis..lb. .12½ Nom.
pale, XXX, cs., same basis.lb. .61 Nom.
1, cs., c.l., same basis...lb. .41 Nom.
2, cs., c.l., same basis...lb. .24 Nom.
3, cs., c.l., same basis...lb. .17¾ Nom.
Kino, tins.....lb. 4.00 - 4.50
Locust bean, powd., bbls....lb. Nominal
Mastic, cs., c.l., same basis as copal..lb. .70 Nom.
Myrrh, USP, cs.....lb. .77 - .78
Olibanum, cs.....lb. .09 - .25
Opium (see O)
Rosin (see R)
Sandarac, cks., c.l., same basis as copal..lb. .37 Nom.
Scammony, cs. .....lb. 1.10 - 1.16
Talha, bgs.....lb. .14 Nom.
Thus, bbls. .....280 lbs.14.50 -14.75
Tragacanth, Alleppo, 1 cs....lb. 2.50 Nom.
2, cs.....lb. 2.40 Nom.
3, cs.....lb. 2.25 Nom.
flake, bgs.....lb. No prices
Yucca, bgs.....lb. .08 Nom.
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equal.ton.21.15 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.27.15 - —
Southard, Okla., frt. equald..ton.17.00- —
Sweetwater, Tex., frt. equald..ton.21.15 - —
plaster of paris, paper bgs., c.l., f.o.b. Acme, Tex., frt. equaled..ton.12.50 - —
Blue Rapids, Kans., frt. equld..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.14.00 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —
Acme, Tex.; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald.....ton. 8.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton.12.00 - —
import, bgs., ex dock....ton.28.00 Nom.

H

Hawthorn berries, bgs.....lb. .35 - .37
Heliotropin, cryst., ens.....lb. 2.75 Nom.
Hellebore root, white, powd., bbls. lb. .17 - .19
Helonias root, bls.....lb. .50 - .55
Hematine crystals, bbls.....lb. .18 - .28
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03¼- —
l.c.l., bbls., works.....lb. .03½- —
tanks, works.....lb. .02¾- —
Hempseed, Manchur, bgs.....lb. .05½- .06
Henbane leaves,bls.....lb. .65 Nom.
Henna leaves, bls.....lb. .17 - .19
powd., bbls., bxs.....lb. .20 - .22
Heptane, mixed, 77-116°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08½- —
normal, 86-100°, dms., c.l., Group 3..gal. .11¾- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09½- —
Hexalin, dms.....lb. .30 - —
Hexane, normal, 60-70° C., dms., c.l., Group 3..gal. .12¼- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10¼- —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .26 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more shipments, f.o.b. Perth Amboy or N. Y. C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs., or more, shipments, same basis, lb. .38 - —
fib., ctns., same basis....lb. .40 - —
Homatropine hydrobromide, bots., 25 ozs.....oz.13.00 - —
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit-ton. 3.25 - —
Hops, N. F., bls.....lb. .23 - .24
Horehound, bls.....lb. .14 - .16
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Hydrochloride, bots., 4 ozs..oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Sulphate, bots., 4 ozs.....oz.18.25 - —
cns., 16 oz.....oz.18.00 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E.of Miss.R.lb. .20 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.14.60 -15.00
Hyoscyamine, vials.....gr. .60 - —
Hydrobromide, vials.....gr. .60 - —
Sulphate, vials.....gr. .60 - —
Hypernic, crbys., bbls.....lb. .25 - —
ext., bbls. .....lb. .13 - —

I

Iceland moss, bls.....lb. .22 - .24
Ichthyol, bots.....lb. 4.00 Nom.
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 1.63 - 1.67
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.30 - —
kgs., 150 lbs., less 5%.....lb. 1.21 - —
resubl., bots., 5 lbs.....lb. 2.10 - —
jars, 50 lbs.....lb. 2.00 - —
tincture, USP, bbls, 47 gals.,gal. 2.00 - —
cbys., 5 gals.....gal. 2.05 - 2.10
mild, bbls., 47 gals.....gal. 1.25 - —
cbys., 5 gals.....gal. 1.30 - 1.35
Iodoform, dms., 100 lbs.....lb. 4.10 - —
jars, 5 gals.....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.50 - 2.55
alpha, extra, bots.....lb. 4.00 - 4.05
alpha beta, bots.....lb. 2.25 - 2.30
beta, bots.....lb. 4.10 - 4.15
Ipecac root, bgs.....lb. 1.30 - 1.35
powd., bxs.....lb. 1.45 - 1.50
Irish moss, ordinary, bls.....lb. .16 - .17
powd., 80-90 mesh, bbls..lb. .30 - .32
prime, bleached, bls.....lb. .28 - .30
Iron acetate, N. F. IV, cbys. 100 lbs..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., divd.....lb. .02 - —
l.c.l., divd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 300-lb. dms.....100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.60
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equld..lb. .07½- .08
Acetate, liquor, cbys., works, frt. alld. or equld..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs .....lb. .08½- —
USP solut., cbys., works, frt. alld. or equld..lb. .06½- .07
djns .....lb. .07¼- —
USP VIII, pearls.....lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .84
Glycerophosphate, bbls., kgs., 1,000 lb. lots..lb. 3.15 - —
smaller lots.....lb. 3.25 - —
cns., 25 lbs.....lb. 3.37 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 2.99 - —
syrup, djns.....lb. .37 - .38
bots .....lb. .52 - —
Nitrate, coml., kgs.....lb. .02¾- .03
Oxalate, powd., kgs.....lb. .47 - —
cns. .....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scales, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
ferrous, bbls., 200 lbs.....lb. .35 - —
bxs., 25 lbs.....lb. .40 - —
kgs., 100 lbs.....lb. .37 - —
Pyrophosphate, pearls, cns..lb. .59 - .62
Iron, pyrophosphate, scales, cns.lb. .64 - .67
Reduced, 90%, cs.....lb. .60 - .65
Sulphate, tech. (see Copperas and ferric sulphate).
Sulphate, USP, cryst., bbls., 275 lbs..lb. .04¼- —
dms., 100 lbs.....lb. .06½- —
Iron ammonia citrate, brown, gran., cns..lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
Iron-ammonia oxalate, bxs.....lb. .30 - —
fib., dms.....lb. .23½- —
kgs. .....lb. .26½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs. .....lb. .44 - —
jars .....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib., dms.....lb. .23½- —
kgs. .....lb. .26½- —
Isobutyl carbinol (see Carbinol).
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .50 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .096 - —
W. of Rockies, frt. alld..lb. .10 - —
55 gls., c.l., E. of Rockies, frt. alld..lb. .091 - —
W. of Rockies, frt. alld, lb. .09½- —
l.c.l., E. of Rockies, frt. alld..lb. .096 - —
W. of Rockies, frt. alld, lb. .07 - —
tanks, E. of Rockies, frt. alld., lb. .091 - —
W. of Rockies, frt. alld..lb. .09½- —
Alcohol (see Alcohol).
Ether, dms., 5 gal., frt. alld., gal. .55 - —
55 gal., c.l., E. of Miss., frt. alld..gal. .35 - —
W. of Miss., frt. alld., gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .25 - —
W. of Miss., frt. alld., gal. .29 - —

J

Jaborandi leaves, bls.....lb. .11 - .13
Jalap root, NF, bls.....lb. .24 - .26
powd., bbls., bxs.....lb. .28 - .30
resin., lump, ens.....lb. 2.70 - —
powd., bxs.....lb. 2.75 - —
Juniper berries, bgs.....lb. .11 - .12

K

Kamala, tins.....lb. .45 - .46
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .04¾- .05¾
Gulf ports, p.w., bulk....gal. .03¾- .03¾
w.w., bulk..gal. .03⅞- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .04 - .04¾
Oklahoma-Texas, 41-43 w.w., tanks..gal. .03¾- .04¼
42-44 w.w., tanks.....gal. .04 - .04¾
Pennsylvania, 45 w.w., tanks gal. .04¾- .04¾
46 w.w., tanks.....gal. .04¾- .05
47 w.w., tanks.....gal. .04¾- .05⅞
Kerosene, tankwagon:—
Atlanta .....gal. .12 - —
Boston .....gal. .06¼- —
Chicago .....gal. .10 - —
Cincinnati .....gal. .13 - —
Denver .....gal. .11½- —
Louisville .....gal. .10 - —
Minneapolis .....gal. .104 - —
New Orleans .....gal. .11 - —
New York .....gal. .09 - —
San Francisco .....gal. .11¼- —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$ bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .10 - .12

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 7.25 - 7.50
Middlewestern, trcs....100 lbs. 7.00 - 7.10
Neutral, trcs.....100 lbs. 8.25 - 8.50
Western, choice, trcs..100 lbs. 7.00 - 7.10
Compound, trcs.....100 lbs.10.00 -10.25
Larkspur seed, bgs.....lb. .85 - .90
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .07½- .08
Lavender flowers, ordinary, bls.lb. .60 Nom.
medium, bls.....lb. .85 Nom.
select, bls.....lb. 1.00 Nom.
Lead acetate, white, broken, bbls..lb. .11 - —
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11¾- —
powd., bbls.....lb. .11¾- —
Arsenate, bgs., c.l., dealers..lb. .10 - .11
l.c.l., bgs., dealers.....lb. .10½- .11½
Lead arsenate prices are works or whse basis. frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic sulphate, bbls., c.l., divd. E...lb. .06¼- —
divd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .06⅜- —
l.c.l., divd., E.....lb. .06⅝- —
l.c.l., divd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .07 - —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs..lb. .63 - —
fib., dms., 25 lbs.....lb. .49 - —
Iodide, N. F., V., powd., bots., 5 lbs..lb. 2.67 - —
jars .....lb. 2.55 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .19 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls. .....lb. .11 - .14
Oleate, bbls. .....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less, Pb_3O_4, bbls., c.l. (20 tons), divd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash...lb. .0885- —
other points .....lb. .0910- —
l.c.l., 5 tons, divd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash...lb. .09½- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.lb. .09¼- —
Colo., Mont., N. Mex., Wyo..lb. .09 - —
other points.....lb. .08½- —
smaller lots, etc.....lb. .09½- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09¼- —
other points.....lb. .09 - —
97%, Pb_3O_4, bbls., c.l. (20 tons), divd., Ala., etc., lb. .0860- —
other points.....lb. .0835- —
l.c.l., 5 tons, divd., Ala., etc..lb. .09 - —
Ariz., etc.....lb. .09½- —
Colo., etc.....lb. .09¼- —
other points.....lb. .08¾- —
smaller lots, divd., Ala., etc..lb. .09½- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
98%, Pb_3O_4, bbls., c.l. (20 tons), divd., Ala., etc., lb. .0885- —
other points.....lb. .0860- —
l.c.l., 5 tons, divd., Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09¼- —
other points.....lb. .09 - —
smaller lots, divd., Ala., etc..lb. .09¾- —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .10 - —
other points.....lb. .09¼- —
in oil, 95% min., 100-lb. kgs., lb. .12¼- —
Resinate, fused 15%, bbls....lb. .09½- —
pale, bbls.....lb. .11¾- —
precip., bbls.....lb. .16½- —
Stearate, bbls.....lb. .26 - —
Sulphate (see Lead, white, basic sulphate).
Titanate, bbls., c.l. (20 tons), works, frt. alld..lb. .10 - —
l.c.l., 5 tons, one delvy., E. frt. alld..lb. .10¼- —
Pac. Cst., ex whse....lb. .10¼- —
smaller lots, E. frt. alld. lb. .10¼- —
Pac. Cst., ex whse....lb. .10¼- —
White, dry, basic carbonate, bbls., c.l., divd. Ariz., Cal., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¼- —
other points.....lb. .07 - —
l.c.l., divd., Ariz., etc..lb. .07¼- —
other points.....lb. .07¼- —
basic sulphate, bbls., c.l., divd., Ariz., etc..lb. .06½- —
other points.....lb. .06¼- —
basic sulphate, l.c.l., divd., Ariz., etc..lb. .06¾- —
other points.....lb. .06¾- —

Gum, Dammar—Linseed Cake

Lead, white, in oil, 100-lb. kgs., consumers..lb. .12¾- —
dealers .....lb. .10¾- —
painters .....lb. .11¾- —
Consumers' price and painters' price are ½c. lower on orders of 500 lbs. or more.
Lecithin, 100%, cns., f.o.b., N. Y., or Chi....lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis.....lb. .47½- .65
grades 2 or 3, dms., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grades 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis. lb. .40 - —
l.c.l., same basis.....lb. .42½- .60
Lecithin prices quoted above are for goods packed in 25, 50, or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.
Lemon peel, bls.....lb. .18 - .20
Licorice extract, mass, cs....lb. .19 - .20
powd., bbls.....lb. .26 - .27
root, cuttings, bls.....lb. .10 - .11
powd., bbls., bxs.....lb. .14 - .15
select, bndls., cs.....lb. .20 - .25
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b. Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va.ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 6.25 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Marblehead, Ohio....ton. 7.50 - —
Martinsburg, W. Va..ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
hydrated, paper bags, f.o.b. Bellefonte, Pa..ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.50 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.50 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va.ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
spray, paper bags, f.o.b. Bellefonte, Pa..ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.11.00 - —
Marblehead, Ohio....ton.11.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —
Lime salts (see Calcium).
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs. or more, bgs., same basis..lb. .07¾- .08¾
dms, same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08½- .09½
dms., same basis.....lb. .12 - —
solution, zone 1, dms., consumer gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50 dms.....gal. .11 - .15
Zone 3, tanks, dealers, divd., gal. .11½- —
30-50 dms.....gal. .14 - .18
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., wks., except Cal..gal. .12 - —
Zone 5, tanks, dealers, divd., gal. .10½- —
dms. .....gal. .12 - —
Zone 6, tanks, dealers.....gal. .08½- —
30-50 dms.....gal. .11 - .15
Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States. Zone 3: Ark., Ohio, Ind., Ill., Ia., Ky., Mich., Wis., Minn., Mo., and Tenn., west of Tenn. River; Penn. eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N.Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C—counties of Ashe, Alleghany, Surry, Stokes, and Rockingham.
Linalool, cns.....lb. 2.10 - 2.30
Linalyl acetate, cns.....lb. 2.50 - 2.75
Linden flowers, with leaves, bls.lb. .45 - .46
without leaves, bls.....lb. .50 - .51
Linseed cake, bags, export...ton.32.00 -32.50
Meal, 34%, bag.....ton.38.00 -38.50

Litharge—Oil, Calamus

Litharge, com'l, powd., bbls., 20-tons dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0735- —
dlvd., other points....lb. .0710- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash.....lb. .07½- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .08 - —
Colo., Mont., N. Mex., Wyo..lb. .07½- —
other points.....lb. .07¾- —
smaller lots, dlvd., Ala., etc.lb. .08 - —
Ariz., etc.....lb. .08½- —
Colo., etc.....lb. .08¾- —
other points.....lb. .07¾- —

Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.83 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb., bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —

Lithopone, dom., high-strength, bgs., c.l. (20 tons)..lb. .05¼- —
smaller lots .....lb. .05½- —
bbls., c.l. (20 tons).....lb. .05½- —
smaller lots .....lb. .05¾- —
ordinary, bgs., c.l., (20 tons) lb. .05¾- —
smaller lots .....lb. .04 - —
bbls., c.l., (20 tons).....lb. .04 - —
smaller lots .....lb. .04¼- —
titanated, bgs., c.l. (20 tons) lb. .05¼- —
smaller lots .....lb. .05½- —
bbls., c.l. (20 tons)....lb. .05½- —
smaller lots .....lb. .05¾- —

Lithopone in car lots is delivered East or the Pacific Coast and in less than car lot quantities delivered East or ex warehouse Pacific Coast.

Liverwort leaves, bls.....lb. .30 - .32
Lobelia, herb, bls.....lb. .12 - .13
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .18 - .22
liquid, 51°, bbls.....lb. .09½- .11½
solid, bxs.....lb. .15 - .19
Lovage root, dom., bls.....lb. .55 - .56
import, bls.....lb. .60 - .65
Lupulin, N. E., tins.....lb. 1.35 - 1.40
Lycopodium, cs.....lb. 4.25 Nom.

M

Mace, Banda, cs.....lb. .65 - .67
Batavia, cs.....lb. .34 - .35
Siauw, cs.....lb. .59 - .60
Madder, Dutch, bbls.....lb. .22 - .26
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., USP, bbls., works..lb. .26 - —
Carbonate, tech., Zone 1, bgs., c.l..lb. .06¼- —
l.c.l. .....lb. .07 - —
1, bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .08 - —
kgs., c.l.....lb. .08¾- —
l.c.l. .....lb. .09½- —
USP, zone 1, bbls., c.l.....lb. .08½- —
l.c.l. .....lb. .09 - —
kgs., c.l. .....lb. .09¾- —
l.c.l. .....lb. .10½- —

Magnesia:—Zone 1—Mass., Conn., R. I., N. Y., N. J., Pa., Del. and Md. C.l., shipments, full fr't alld. up to, but not exceeding 25c. per 100 lbs., actually paid by customers. On l.c.l. shipm'ts, frt. alld., including dlvd. storedoor. Magnesia prices are f.o.b., Plymouth Meeting House. Zone 2, balance of U. S.; prices f.o.b., Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.

Chloride, flake, dom., bbls., wks., c.l..ton.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
25 lbs. .....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .88 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.55
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11½
Stearate, bbls., ctns., c.l.....lb. .21 - —
1 ton .....lb. .22 - —
1,000-2,000 lbs. .....lb. .23 - —
smaller lots .....lb. .24 - —
Sulphate (see Epsom salt).

Magnesite, cal., dom., bgs....ton.56.00 -60.00
Import, bgs., duty paid..ton.60.00 -70.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash....ton.25.00 - —

Magnesium hydroxide, medicinal, bbls., 200 lbs..lb. .25 - —
dms., 25 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Trisilicate, cs., 500-lb. lots..lb. .58 - —
100-lb. lots .....lb. .65 - —
ctns. .....lb. .75 - .80
Malva flowers, black, bls.....lb. .45 - .50
blue, bls. .....lb. .40 - .45
Leaves, bls.....lb. .19 - .20
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .11 - .12

Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs. .....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls. .....lb. .19 - —
Chloride, bbls. .....lb. .08½ Nom.
Dioxide, African, battery, 84-87%, bgs. 28-40 tons, works..ton.64.50 - —
5-15 tons, works.....ton.67.50 - —
½-4 tons, works....ton.72.50 - —
300-600 lbs., works.ton.92.50 - —
Caucasian, 85-90%, bbls., c.l., works..ton.61.50 - —
l.c.l., 5 tons, works...ton.64.50 - —
smaller lots, works..ton.69.50 - —
burlap bgs., c.l., works.ton.59.25 - —
l.c.l., 5 tons, works..ton.62.25 - —
smaller lots, works.ton.67.25 - —
paper bgs., c.l., works.ton.57.50 - —
l.c.l., 5 tons, works..ton.60.50 - —

Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 2.30 - —
smaller lots.....lb. 3.00 - —
cns., 25 lbs.....lb. 3.12 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.45 - —
jars, 25 lbs.....lb. 5.30 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19¼
solid, precip., 8.2%, bbls..lb. .19 - —
Ore, 50-52% basis, bbls., c.l., Atl. ports..unit-ton. No price.
Resinate, fused, 2½%, bbls..lb. .08½- .09½
precip., dms.....lb. .12 - —
Manganese sulphate, anhyd., ton lots, works..lb. .08 - .08½
single dms., works.....lb. .08¼- .08¾
cryst., 60% Mn2O3, bgs., c.l., dlvd., South..ton.48.75 - —
c.l., bgs ton 55 75 - —
40-85%, bgs., c.l., works, frt. alld. to S.F.A. territory, unit-ton. .75 - —
l.c.l., 5 tons, works...lb. .03½- —
smaller lots, works..lb. .04 - —
Mangrove bark, bgs., shipt...ton. No prices
Manna flake, large, cs.....lb. .60 - .65
small, cs.....lb. .55 - .60
Mannitol, 99% pure, cs., works, lb. .42 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bls.....lb. .35 Nom.
Tunisan, bls.....lb. .33 Nom.
Chilean, bls.....lb. .27 - .29
Matico leaves, bls.....lb. .30 - .35
Menthol, USP, natural, cs....lb. 3.35 - 3.45
synthetic, tech., cs.....lb. 2.50 - —
USP, cs.....lb. 3.25 - —
liquid, dms., 50 lbs...lb. 1.50 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. 1.24 - —
25 lbs.....lb. 1.26 - —
50%, pails, 50 lbs.....lb. 1.79 - —
25 lbs.....lb. 1.81 - —
Mercury (see Quicksilver).
Ammoniated (see white precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, bots., 5 lbs.....lb. 2.62 - 2.64
fib., dms., 100 lbs.....lb. 2.49 - —
jars, 25 lbs.....lb. 2.51 - —
Chloride (see Calomel).
Iodide, red, N.F., bots., 5 lbs. lb. 4.41 - 4.45
cns., 25 lbs.....lb. 4.30 - 4.35
fib., dms., 100 lbs.....lb. 4.30 - 4.35
yellow, bots., 5 lbs.....lb. 4.51 - 4.55
cns., 25 lbs.....lb. 4.40 - —
fib., dms., 100 lbs.....lb. 4.40 - —
Nitrate ointment (see Citrine ointment).
Oxide, red, N.F. (see Red precipitate).
tech. (See Red, mercury oxide).
Yellow, dom., tech., bbls..lb. 2.26 - —
USP, fib. dms., 50 lbs. or more..lb. 2.78 - —
Mercury and chalk, ctns., 5 lbs., lb. 1.72 - —
fib., dms., 25 lbs.....lb. 1.60 - 1.65
Mesityl oxide, cns., works.....lb. .18 - .18
dms., c.l., dlvd.....lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Metal leaf, pkgs., of 25 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5½x5½ in..pkg. 1.70 - 1.80
gold, XX deep, 23K, 3¾x3¾ in..pkg.15.25 -15.75
23K, 3¾x3¾ in.....pkg.16.15 -17.50
4x4 in.....pkg.19.50 -20.00
3⅝x3⅝ in.....pkg.22.50 -23.00
3⅛x3⅛ in.....pkg.24.50 -25.00
Silver, 3¾x3¾ in.....pkg. 2.75 - 2.85
Metanitroparatoluidin, bbls....lb. 1.30 - —
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs....lb. .65 - —
Methanol, natural, denat., grade, tanks..gal. .40 - —
97%, tanks.....gal. .32 - —
95%, tanks.....gal. .31 - —

Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts Prices on the Pacific Coast are 9c. higher on tanks and 4c. per gal. higher on drums. car lots.

synth., pure, dms., c.l., Zone 1, frt. alld..gl. .38 - —
2, frt. alld.....gal. .41 - —
3, frt. alld.....gal. .42 - —
4, frt. alld.....gal. .44 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .40½- —
2, frt. alld. or dlvd., gal. .47 - —
3, frt. alld. or dlvd..gal. .44½- —
4, frt. alld. or dlvd..gal. .50 - —
tanks, Zone 1, frt. alld..gal. .33 - —
2, frt. alld.....gal. .35½- —
3, frt. alld.....gal. .36½- —
4, frt. alld.....gal. .37 - —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10½- —
W. of Miss. R.....lb. .11½- —
l.c.l., dms., dlvd., E. of Miss. R..lb. .11 - —
W. of Miss. R.....lb. .12 - —
tanks, dlvd., E. of Miss. R. lb. .09½- —
W. of Miss R.....lb. .10½- —
tech., dms., c.l., dlvd., E. of Miss. R..lb. .07 - —
W. of Miss. R.....lb. .08 - —
l.c.l., dlvd. E. of Miss., R..lb. .07½- —
W. of Miss R. .... .lb. .08½- —
anks, dlvd. E. of Miss. R., lb. .06 - —
W. of Miss. R. .....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. all..lb. .29½- —
Acetone, natural, dms., c.l..gal. .41 - —
l.c.l. .....gal. .44 - —
tanks .....gal. .35 - —

Methyl acetone in drums, car lots, is 5c. per gal. higher, frt. alld., east of Rocky Mts. Prices on Pacific Coast are 8c. per gal. higher on tanks and 4c. per gal. higher on drums. car lots.
synthetic, dms., c.l., Zone 1, frt. alld. E. of Rockies, gal. .28 - —
2, frt. alld. E. of Rockies, gal. .41 - —
3, Pacific Coast .....gal. .42- —
4 .....gal. .44 - —
l.c.l., Zone 1, frt. alld. E. of Rockies..gal. .41 - —
2, frt. alld. E. of Rockies..gal. .475 - —
3, Pacific Coast.....gal. .45 - —
4. .....gal. .605 - —
tanks, Zone 1, frt. alld., E. of Rockies..gal. .315 - —
2, frt. alld. E. of Rockies, gal. .34 - —
3, Pacific Coast.....gal. .35 - —
4, ...gal. .355 - —

Methyl acetone, synthetic, sales zones are:—Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, Pacific Coast; Zone 4, Ariz., Col., Mont., Nev., Idaho, Ore., Utah, Wash., N. Mex.

Alcohol (see Methanol).
Anthranilate, bots.....lb. 2.10 - 2.80
Benzoate, cns., 25 lbs.....lb. .70 - .80
Bromide, cyl. .....lb. .65 - .75
Methyl chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl. lb .36 - —
Chloride, refrigeration, service men and consumers, 60 to 499 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 130-lb. cylinders. Prices on the 30-lb. cylinders are uniformily 10c. per pound higher than above prices.

Cinnamate, bls.....lb. 1.85 - 2.00
Formate, dms. .....lb. .35 - .36
Lactate, dms., l.c.l., dlvd..lb. .30 - —
Iodide, bots.....lb. 3.68 - 3.80
Salicylate, dms.....lb. .35 - .37—
cns. .....lb. .37 - .40
Violet toner, bbls.....lb. .33 - —
permanent, bbls. .....lb. .80 - —
Methylamyl ketone, dms., works, l.c.l..lb. .35 - —
smaller containers, same basis. lb. .38 - —
Methylcyclohexane, 98-100% dms., works, frt. alld., E. of Rockies..lb. .25 - —
Methylcyclohexanol, 98-100%, dms., works, frt. alld., E. of Rockies..lb. .30 - —
Methylcyclohexanone, 98 - 100%, dms., works, frt. alld., E. of Rockies..lb. .58 - —
Methylene blue, medci., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.25 - —
Chloride, dms., f.o.b. works...lb. .18 - .38
Methylethyl ketone, dms., c.l., frt., pd., E. of Rocky Mts..lb. .06 - —
l.c.l., same terms.....lb. .06½- —
tanks, same terms.....lb. .05 - —
Methylheptenone, bots.....lb. 2.45 - 3.00
Methylheptin carbonate, bots..lb.23.00 -44.00
Methylhexyl ketone, dms., tech., wks..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .70 - —
l.c.l., works.....gal. .80 - —
smaller containers, works.gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphthyl ketone, dom., cryst., bots. .lb. 2.25 - 2.30
imp. bots.....lb. 2.10 - —
Methylpropyl ketone, dms., c.l..lb. .20½- —
l.c.l. .....lb. .21 - —
tanks .....lb. .19½- —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee...ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
Metronite pigment, 180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers extra, c.l., same basis..ton.13.00 - —
l.c.l., same basis.....ton.15.00 - —
325 mesh, containers extra, c.l., same basis..ton.13.00 - —
l.c.l., same basis.....ton.20.00 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works....lb. .02 - —
500 lbs., works....lb. .02½- —
100 lbs., works....lb. .03 - —
roofing, bags., extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs., extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works, ton.45.00 - —
paint, bgs., extra and returnable, c.l., works..ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E.....lb. .04¼- —
l.c.l., ex-whse., or frt. alld., E..lb. .04¾- —
paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04½- —
l.c.l., ex-whse., or frt. alld., E..lb. .04¾- —
rubber, bgs., c.l., frt. alld. E..lb. .04 - —
l.c.l., ex-whse., or frt. alld., E...lb. .04½- —
wet-ground mica prices are ½c. per pound higher west of Rockies.
Milk powder, skimmed, roller, bbls., c.l..lb. .07 - —
l.c.l. .....lb. .08 - —
spray, bbls., c.l. .....lb. .07½- —
l.c.l. .....lb. .08½- —
unskimmed, roller, bbls., c.l., lb. .15½- —
l.c.l. .....lb. .16½- —
spray, bbls., c.l. .....lb. .16 - —
l.c.l. .....lb. .17 - —
Millet seed, yellow, bgs.....lb. .03¾- .04¼
early fortune, bgs.....lb. .03½- .04
hulled, bgs.....lb. .06¼- .06¾
Mineral spirits (see Petroleum thinner and V M & P naphtha).
Molasses, blackstrap, tanks, f.o.b., No. Atlantic ports..gal. .05½- .06
f.o.b. New Orleans.....gal. .04½- .05
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.60 - 3.00
Monoamylamine, dms., c.l., wks., lb. .52 - —
l.c.l., works .....lb. .53 - .55
tanks .....lb. .50 - —
Monobutylamine, dms., c.l., works lb. .50 - —
l.c.l., works.....lb. .51 - .53
tanks works.....lb. .48 - —
Monochlorobenzene, dms., l.c.l., lb. .06 - .06
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms. .....lb. .25 - —
tanks .....lb. .23 - —
Monoethylanilin, dms. .....lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd..lb. .65 - —
l.c.l., dlvd. .....lb. .70 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs. .....oz.10.50 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots. 5 ozs. oz.10.75 - —
cns., 25 ozs. .....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Morphine, sulphate, bots., 5 ozs. oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gal., l.c.l., works..lb. .75 - —
smaller containers, works....lb. 1.00 - —
Mullein leaves, cns.....lb. .12 - .15
flowers, cns. .....lb. 1.20 - 1.25
Musk, nat., Tonquin, grained, bots..oz.21.00 -22.00
pods, caddies, 20 ozs....oz.19.00 -21.00
synth., ambrette, cns., 100 lbs., or more..lb. 3.60 - —
5 lbs. to 75 lbs.....lb. 3.85 - —
1 lb.....lb. 4.00 - —
ketone, cns., 100 lbs. or more, lb. 3.75 - —
5 lbs. to 75 lbs.....lb. 4.00 - —
1 lb.....lb. 4.15 - —
xylol, cns., 100 lbs., or more, lb. 1.10 - —
5 lbs. to 75 lbs.....lb. 1.20 - —
1 lb.....lb. 1.25 - —
Musk root, bls.....lb. .65 - .70
Mustard seed, Bombay, brown, bgs..lb. No stocks
California, brown, bgs.....lb. .09½- .10
Chinese, yellow, bgs.....lb. .06½- .06¾
Danish, yellow, bgs.....lb. .20 - .21
Dutch, yellow, bgs.....lb. .15½- .16
English, yellow, bgs.....lb. No stocks
Roumanian .....lb. No stocks
Myrobalans, J1, bgs., f.a.s...ton.21.75 Nom.
J2, bgs., f.a.s.....ton.21.00 Nom.
Extract, liquid, 25%, bbls....lb. No prices
solid, 50% bbls.....lb. No prices
powdered, 70%, bbls.....lb. .06 Nom.

N

Naphtha, Painters' (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., bgs., c.l., works, 100 lbs. 2.25 - —
bgs., bbls., l.c.l., works, 100 lbs. 2.50 - 2.60
78 deg., bgs., c.l., works, 100 lbs. 2.50 - —
l.c.l., works .....100 lbs. 2.75 - 2.85
import, bgs., Atl. ports.100 lbs. No prices
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works.....lb. .06¾- —
50-lb., cs., same basis..lb. .07 - —
pkgs. (16 oz.), same basis, lb. .07½- —
(12 oz.) same basis..pkg. .06 - —
chipped, crushed, bbls., same basis..lb. .06 - —
rice, cryst., powd., bbls., same basis..lb. .06¾- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls. .....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works, frt. alld..lb. .70 - —
10-lb., tins.....lb. .86½- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l..lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½, and 40, sec. vis., bbls., works..lb. .36 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .39 - —
ester-soluble, ¼, ½, 5-6, 15-20 sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., ¼, ½, 5-6, 15-20 and higher vis., bbls..lb. .26 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works....lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton. 1.2158- —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., dlvd....unit-ton. 2.25 - —
f.o.b. Chemical, Ill., unit-ton. 2.25 - —
East Coast producing points..unit-ton. 3.00 - —
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. 2.85 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nutgalls, Alleppo, bgs., cs....lb. .29 - .30
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .24 - .25
110s, bgs., cs.....lb. .22 - .22½
West Indian, bgs.....lb. .14½- .15
Nux vomica, bls.....lb. .06½- .07
powd., bbls., bxs.....lb. .09 - .09½

O

Oakbark extract, 25% tan., bbls., c.l., wks..lb. .03¼- —
l.c.l., bbls., wks.....lb. .03⅝- —
tanks .....lb. .02¾- —
Ocher (see Yellow).
Octanes, 100-140° C., mixed, dms., c.l., G.3..gal. .12½- —
l.c.l., G.3 .....gal. .17 - —
tanks, G.3.....gal. .10¼- —
Octyl acetate, dms., c.l., works..lb. .16 - —
l.c.l., works .....lb. .17 - —
tanks, works .....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde)
natural, bots. .....lb. 2.00 - 2.10
e.p.a., bots. .....lb. 2.10 - 2.20
sweet, true, exp., cns....lb. 1.00 Nom.
Amber, crude, cns.....lb. .19 - .20
ref'd, cns. .....lb. .50 - .51
Amyris, cns. .....lb. 3.00 - 3.25
Angelica root, bots.....lb.45.00 Nom.
seed, bots.....lb.75.00 Nom.
Anilin (see A).
Anise, USP, cns., dms.....lb. .85 Nom.
Apricot, kernels, cns.....lb. .35 Nom.
Babassu, tanks .....lb. .06⅞ Nom.
Bay, W. I., 50-55% phenols, cns..lb. 1.20 Nom.
55-60% phenols, cns.....lb. 1.35 Nom.
Bergamot, artif., cns.....lb. 1.25 - 1.30
natural, coppers.....lb. 4.00 Nom.
Betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).
Birchtar, crude, dms.....lb. .25 Nom.
rectified, cns. .....lb. .65 Nom.
Bois de rose, Brazil, cns.....lb. 1.60 Nom.
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. .53 Nom.
USP IX, cns.....lb. .63 Nom.
Calamus, cns.....lb. 5.50 Nom.

Oil, camphor, sassafrassy, cns. lb. .35 Nom.
dms. .....lb. .33 Nom.
white, cns. .....lb. .52 Nom.
dms. .....lb. .50 Nom.
Cananga, native, cns. .....lb. 1.35 Nom.
rectified, cns. .....lb. 1.80 Nom.
Capsicum (oleoresin) N. F. VI, cns. .lb. 2.25 Nom.
Caraway, USP, cns. .....lb. 3.00 Nom.
Cardamom, bots. .....lb. 15.00 Nom.
Cassia, USP, cns., dms. .....lb. 1.30 Nom.
Castor, blown, one-way dms., c.l. .lb. .12¾ Nom.
l.c.l. .....lb. .13½ Nom.
medicinal, bbls., c.l. .....lb. .11¼ Nom.
l.c.l. .....lb. .12 Nom.
cns. (1-gal.) l.c.l. .....lb. .15 Nom.
dms. (returnable), c.l. .....lb. .11 Nom.
l.c.l. .....lb. .11¾ Nom.
(5-gal.), l.c.l. .....lb. .13 Nom.
tanks .....lb. .10½ Nom.
No. 3, bbls., c.l. .....lb. .10¾ Nom.
l.c.l. .....lb. .11½ Nom.
dms. (returnable), c.l. .....lb. .10½ Nom.
l.c.l. .....lb. .11¼ Nom.
tanks .....lb. .10 Nom.
dehydrated, dms., c.l. .....lb. .156 Nom.
l.c.l. .....lb. .16 Nom.
tanks .....lb. .15 Nom.

Castor oil, med. and No. 3 prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way dms., ¼c. higher, all points.

sulphonated, 50% (43% fat), dms., c.l. .lb. No prices
l.c.l. .....lb. No prices
75% (63% fat), dms., c.l. .lb. No prices
l.c.l. .....lb. No prices
80% (68% fat), dms., c.l. .lb. No prices
l.c.l. .....lb. No prices
Cedarleaf, cs. .....lb. .70 Nom.
dms. .....lb. .65 Nom.
Cedarwood, Oregon, cns., dms. lb. .28 - .30
Southern, cns. .....lb. .20 - .21
Celery, bots. .....lb. 7.25 Nom.
Chaulmoogra, USP, cns., 500 lbs. lb. .72½- —
25 lbs. .....lb. .75 - —
Chinawood, dms. .....lb. .28 Nom.
tanks .....lb. .24 - .27
Cinnamon, Ceylon, bots. .....lb. 9.25 -25.00
Seychelle, bots. .....lb. 7.25 Nom.
Citronella, Ceylon, cns. .....lb. .50 Nom.
dms. .....lb. .48 Nom.
Java, cns., dms. .....lb. .48 Nom.
Clove, makers, USP, cns. .....lb. 1.60 Nom.
dms. .....lb. 1.55 Nom.
Coconut, Manila, crude, tanks, lb. .03¾- —
Pac. Cst. .....lb. .03⅝- —
edible, 76°, tax incl., dms. (returnable), c.l. .lb. .09⅝- —
l.c.l. .....lb. .10½- —
tanks .....lb. No prices
Cod, Newfoundland, shipt., un-tanked .gal. No prices
Norwegian, shipt., bbls. .gal. No prices
Codliver, med., USP, bbls. .bbl. 40.00 -50.00
Coriander, bots. .....lb. 15.00 Nom.
Corn, crude, tanks, wks. .....lb. .06½- .06¾
refd., bbls. .....lb. .09¼- .09½
Cottonseed, dom., cooking, bbls. lb. .09½- —
salad, bbls. .....lb. .10 - —
import, Brazilian, semi-refd., bulk .lb. No prices
Creosote (see C).
Croton, USP, cns. .....lb. 1.35 Nom.
Cubeb, USP, cns. .....lb. 3.50 Nom.
Crude (see Petroleum, crude).
Cumin, bots .....lb. 7.50 Nom.
Cypress, dom., bots. .....lb. 5.25 Nom.
import, cns. .....lb. 12.00 Nom.
Degras (see D).
Diesel, Bayonne, bulk .....bbl. 1.75 - —
California, 24 plus, bulk .bbl. 1.55 - —
Dill seed, bots. .....lb. 3.00 Nom.
weed, bots. .....lb. 3.60 Nom.
Dip (see L).
Erigeron, cns. .....lb. 2.40 Nom.
Eucalyptus, cns. .....lb. .57 Nom.
dms. .....lb. .55 Nom.
Fennel, sweet, cns. .....lb. 3.00 Nom.
Fuel, bunker, California, tide-water .bbl. .90 - —
Gulf Coast .....bbl. .90 - .95
Louisiana, Arkansas, 10-14, bbl. .85 - 1.00

N. Y. and N. J. terminals:—

Monday .....bbl. 1.15 - —
Tuesday .....bbl. 1.15 - —
Wednesday .....bbl. 1.15 - —
Thursday .....bbl. 1.15 - —
Friday .....bbl. 1.15 - —
Saturday .....bbl. 1.05 - —
North. Texas, 18-22 .....bbl. .85 - .90
24-28, zero cold test .....bbl. 1.00 - 1.10
Oklahoma, 18-22 .....bbl. .85 - .90
24-28, zero cold test .....bbl. 1.00 - 1.10
24-28, 15 and above .....bbl. .85 - .90
Pennsylvania, 36-40 .....gal. .04 - .04¼
Furnace, Bayonne, 1, bulk, re-finery .gal. .05 - —
2, bulk, same basis .....gal. .04⅜- .04⅝
4, bulk, same basis .....gal. .03¾- .04¼
Louisiana - Arkansas, 32-36, light straw .gal. .03¼- .03½
Oklahoma, 28-30 .....gal. .03 - —
32-36 .....gal. .03⅝- .03½
36-38 .....gal. .03⅝- .03⅝
38-40, straw .....gal. .03⅝- .03⅝
38-40 nero, 60 e.p. .....gal. .03⅝- .04
Fusel (see F).
Gas, Bayonne, bulk .....gal. .04 - —
Gulf Coast, bulk .....gal. .03½- —
North Texas, bulk .....gal. .02⅞- —
Oklahoma, bulk .....gal. .03½- —
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns., lb. 2.75 Nom.
Bourbon, cns. .....lb. 2.75 Nom.
Turkish (see Palmarosa).
Grapefruit, cns. .....lb. 1.50 Nom.
Grapeseed, dms. .....lb. .40 Nom.
Ginger, dist., bots. .....lb. 4.50 Nom.
Guaiac wood, concrete, bots. .lb. 2.10 Nom.
Haarlem, import, bots. ...gross. 5.50 - 5.75
Hemlock, cns. .....lb. 1.00 Nom.
Juniper berry, USP, cns. ....lb. 1.35 Nom.
Wood, tech., cns. .....lb. .45 - —
Juniper tar, USP XI, 1,000 lbs., dms. .lb. .40 Nom.
cns. .....lb. .42 Nom.
Lard, common, 1, bbls. .....lb. .09½- —
2 bbls. .....lb. .09¼- —
extra, bbls. .....lb. .10 - —
1, bbls. .....lb. .09¾- —
Winter, strained, extra, bbls., lb. .10¼- —
prime, burning, bbls. .....lb. .11 - —
prime, ined., bbls. .....lb. .10½- —
Laurel, bots. .....lb. 4.50 Nom.
Lavandin, cns., 25 lbs. .....lb. 1.50 Nom.
Lavender flower, French 50% ester, cns. .lb. 4.50 Nom.
38-42% ester, cns. .....lb. 3.25 Nom.
35-38% ester, cns. .....lb. 2.75 Nom.
30-32% ester, cns. .....lb. 2.25 Nom.
garden, cns. .....lb. .42 - .45
spike, Spanish, tech., cns. .lb. 1.05 Nom.
dms. .....lb. .95 Nom.
Lemon, Calif., cns. .....lb. 3.00 - —
Messina, coppers, cns. .....lb. 3.50 Nom.
Terpeneless, Type 1 .....lb. 10.75 -16.50
Type 2 .....lb. 8.50 -14.50
Lemongrass, native, cns., dms., lb. .65 Nom.

Oil, lime, dist., West Indian, cns. .lb. 3.75 Nom.
expressed, cns. .....lb. 7.25 Nom.
Terpeneless, Type 1 .....lb. 42.00 -46.50
Type 2 .....lb. 60.00 -78.00
Linaloe wood, cns. .....lb. 1.50 Nom.
Linseed, raw, bbls., c.l. .....lb. .1030- .1050
l.c.l., 10 to 69 .....lb. .1050- .1070
5 to 9 .....lb. .1090- .1110
less than 5 .....lb. .1110- .1130
tanks .....lb. .0970- .0990
Boiled linseed oil prices are .004 cents higher than raw.
Lovage, bots. .....lb. 41.25 -60.00
Lubricating, at refinery (including U.S. tax 4c. per gal):—California, green, 70, 80, 100, vis., dms. .....gal. .29 - —
140 vis., dms. .....gal. .25 - —
green, pale, 750, 900 vis., dms. .gal. .26 - —
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis. dms. .gal. .26 - —
Oklahoma, bright stocks, 100-110 D, color 4, 0-10 pour, tanks. .gal. .24 - —
15-25 pour, tanks. .gal. .23½- —
150-160 D, color, 4½, 0-10 pour, tanks. .gal. .25 - —
15-25 pour, tanks. .gal. .24 - —
150-160 E, color 5½, 15-25 pour, tanks. .gal. .24 - —
190-200 D, color 4½, 15-25 pour, tanks. .gal. .24 - —
neutrals, 0-10 pour, 150 vis., 3 color, tanks. .gal. .15 - —
180 vis., 3 color, tanks, gal. .16 - —
4 color, tanks. .....gal. .15½- —
200 vis., 3 color, tanks, gal. .16½- —
4 color, tanks. ....gal. .16 - —
250 vis., 3 color, tanks, gal. .17½- —
4 color, tanks. ....gal. .17 - —
280 vis., 3 color, tanks, gal. .18½- —
4 color, tanks. ....gal. .18 - —

15-25 pour prices are ½c. per gallon higher than zero to 10° pour.

Penn., bright, 600, 10-15 pour, tanks. .gal. .32 - —
25 pour, tanks. .gal. .30 - —
cylinder, 600 fire, tanks, gal. .15 - —
600 flash, tanks. .....gal. .20 - —
630 flash, tanks. .....gal. .22 - —
635 fire, tanks. .....gal. .18 - —
650 fire, tanks. .....gal. .19 - —
Warren, E, amber, tanks, gal. .22 - —
Penna, Warren, E, neutral, 150 vis., 3 color, tanks. .gal. .25 - —
180 vis., 3 color, tanks. .gal. .27 - —
200 vis., 2 color, tanks. .gal. .30 - —
spot, Penna., bright, bbls., c.l., f.a.s. .gal. .28 - —
unfiltered, 600 s. r. ....bbls., f.a.s. .gal. .21½- —
600 flash, s. r., bbls., c.l. gal. .23½- —
630 flash, bbls, c.l., f.a.s., gal. .27½- —
Warren, E., bbls., c.l., f.a.s., smaller lots, f.o.b. .gal. .27 - —
Mace, dist., cns., dms. .....lb. 1.50 Nom.
Mandarin, superior, coppers. .lb. 6.00 Nom.
Menhaden, crude, tanks, f.o.b. Balto. .gal. .36 Nom.
refd., alkali, dms. .....lb. .0800- —
tanks .....lb. .0740- —
refd., blown, dms. .....lb. .0820- —
kettle-bodied, dms. .....lb. .0920- —
light pressed, dms. .....lb. .0740- —
tanks .....lb. .0680- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns. ....lb. 1.60 - 1.70
dist., natural, bots. .....lb. 8.50 - 9.00
Neatsfoot, 20° cold test, bbls., lb. .19¾- —
extra, bbls. .....lb. .10 - —
1, bbls. .....lb. .19¾- —
pure, bbls. .....lb. .16¾- —
prime, bbls. .....lb. .10¼- —
sulphonated, common, 25% moisture, dms. .lb. .10½- —
Neroli, bots. .....lb. 85.00 -140.00
Nutmeg, USP, cns., dms. ....lb. 1.65 Nom.
Oiticica, dms. .....lb. .21 Nom.
Oleo, 1, bbls. .....lb. .11¾- —
2, bbls. .....lb. .11½- —
Olibanum, bots. .....lb. 5.00 - 5.25
Olive, denat., bbls. .....gal. 1.40 Nom.
edible, bbls. .....gal. 2.25 Nom.
foots, dms. .....lb. .10 Nom.
sulphonated, 50% (43% fat), dms., c.l. .lb. No prices
l.c.l. .....lb. No prices
75% (63% fat), dms., c.l. .lb. No prices
l.c.l. .....lb. No prices
80% (68% fat), dms., c.l. .lb. No prices
l.c.l. .....lb. No prices
Orange, sweet, dist., cs. .....lb. .90 - —
Expressed, African, cns., dms. lb. 1.25 Nom.
Calif., cns. .....lb. 1.50 - —
Messina, USP, coppers. .lb. 3.25 Nom.
West Indies, cns. .....lb. 2.50 Nom.
terpeneless .....lb. 68.00 -69.00
Origanum, cns. .....lb. .90 - 1.25
Orris, Florentine, concrete, extra strong bots. .oz. 4.75 - 5.50
Palm, Niger, csks. .....lb. No prices
shipment .....lb. No prices
softs, 12½%, bulk, shipt. ....lb. No prices
20%, bulk, shipt. .....lb. No prices
Sumatra, shipt., bulk. .....lb. No prices
Palmrosa, cns. .....lb. 2.75 Nom.
Palmkernel, bulk, shipt. .....lb. No prices
Paraffin, 320° flash, 60-70 vis., tanks, G. 3. .gal. .05¾- —
350° flash, 70-80 vis., tanks, G. 3. .gal. .05½- —
80-85 vis., bbls., extra, Ind. refy. .gal. .12 - —
350° flash, 100-105 vis., bbls., extra, Ind. refy. .gal. .14 - —
360° flash, 100-110 vis., tanks, G. 3. .gal. .05¾- —
Patchouli, bots., cns. .....lb. 4.25 Nom.
Peanut, crude, dom., tanks. .lb. .07 Nom.
refd., edible, bbls. .....lb. .10½ Nom.
Pennyroyal, dom., cns. .....lb. 2.15 Nom.
import, cns. .....lb. 2.75 Nom.
Peppermint, natural, cns., dms. lb. 2.50 - 2.75
redist., USP, cns., dms. ....lb. 2.75 - 3.00
Perilla, dms. .....lb. .14½- .15
tanks .....lb. .13½- .14
Petitgrain, Paraguay, cns. ...lb. 1.00 Nom.
Pimento berry, cns. .....lb. 4.35 Nom.
leaf, cns. .....lb. 3.00 Nom.
Pine, dest.-dist., straw-color, dms., dlvd., E. ports. ....gal. .52 - .55
steam-dist., dms. .....gal. .59 - —
tanks .....gal. .54 - —
Pineneedle, Siberian, cns. ....lb. 1.15 Nom.
Putty, bbls., E. Segundo, Richmond, Cal. .gal. .22½- —
contracts .....gal. .19¾- —

Oil, putty, bbls., Whiting, Ind. dms., c.l., Bost., Provid. .gal. .28 - —
l.c.l., same basis .....gal. .27 - —
tanks, same basis .....gal. .18 - —
Martinez, Cal. .....gal. .28 - —
Rapeseed, blown, bbls. .....lb. .17 - .17½
denat., bbls. .....gal. 1.00 Nom.
Red, dist. or saponif., dms., dlvd. .lb. .09 - .09½
tanks, dlvd. .....lb. .08¾- —
Rose, artif., bots. .....oz. 2.00 Nom.
natural, coppers. .....oz. No prices
Rosemary, Spanish, cns. .....lb. .75 Nom.
dms. .....lb. .70 Nom.
Rosin, 1st rectfd., dms. .....gal. .49 - —
2d rectfd., dms. .....gal. .51 - —
3d rectfd., dms. .....gal. .55 - —
Rue, bots. .....lb. 3.00 Nom.
Sage, cns. .....lb. 2.50 Nom.
Sandalwood, E. I., USP, cns. .lb. 5.50 Nom.
Mysore, cns., case lots. .....lb. No prices
Sardine, crude, tanks, Pac. Cst. .gal. .36 Nom.
refd., alkali, dms. .....lb. .0800- —
tanks .....lb. .0740- —
kettle boiled, dms. .....lb. .0920- —
light pressed, dms. .....lb. .0740- —
tanks .....lb. .0680- —
Sassafras, artif., cns. .....lb. .62 - .64
dms. .....lb. .60 - .62
natural, cns., dms. .....lb. 1.10 Nom.
Savin, cns. .....lb. 2.50 Nom.
Savory, cns. .....lb. 2.00 Nom.
Sesame, refd., import, dms. .lb. No prices
Shingle stain, bbls., c.l., wks., gal. .19 - —
l.c.l., works .....gal. .21 - —
tanks, works .....gal. .14 - —
Snakeroot, Canada, cns. .....lb. 9.50 -10.00
Soybean, dom., crude, dms. .lb. .06⅝- .06⅞
tanks .....lb. .06 - —
Soybean, refd., dms. .....lb. .08⅝ Nom.
tanks .....lb. .07¼- —
Spearmint, USP, cns. .....lb. 1.90 - 2.00
Sperm, bleach, 38°, dms. .....lb. .1030- —
45°, dms. .....lb. .0960- —
natural, dms. .....lb. .0910- —
Spruce, cns., dms. .....lb. 1.00 Nom.
Sweet, birch, North, cns. .....lb. 2.25 - 2.65
South. cns. .....lb. 1.45 - 1.50
Tall, crude, dms., c.l., works, ton. 35.00 - —
l.c.l., works. .....ton. 40.00 -55.00
tanks, works .....ton. 25.00 - —
refined, dms., c.l., works. .lb. .04 - .05½
l.c.l., works .....lb. .04½- .06¼
tanks, works .....lb. .03½- .05
Tallow, acidless, bbls. .....lb. .09¾- —
tanks .....lb. .09¼- —
Tansy, cns. .....lb. 7.00 Nom.
Tar, pine, cm'l, dms., c.l., dlvd., E. cities. .gal. .26 - —
E. ports .....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, dlvd. E. cities. ....gal. .20 - —
Tar, pine, rectfd., USP, bbls., dlvd., E. ports. .gal. .55 - —
Tar acid (see T).
Teaseed, crude, dms. .....lb. .13½ Nom.
refined, dms. .....lb. .14½ Nom.
Tea Tree (see Oil, Ti tree).
Thyme, NF, red, dms. .....lb. 1.10 Nom.
white, dms. .....lb. 1.15 Nom.
Tung (see Oil, chinawood).
Ti tree, cns. .....lb. 2.40 Nom.
Turkey red (see Oil, castor, sulphonated)
Turpentine (see T).
Valerian, bots. .....lb. 8.00 Nom.
Vetiver, bots. .....lb. 6.00 -18.00
Walnut, crude, dms. .....lb. .15 Nom.
refd., dms. .....lb. .16 Nom.
Whale, refd., natural, dms. .lb. .0910- —
winter, bleach, dms. .....lb. .0950- —
Wheat germ, cns., dms. ....gal. 17.50 -25.00
White, mineral, dom., dms., tech., 50-60 vis., dms. .gal. .40 - .44
65-75 vis., dms. .....gal. .42 - .46
80-90 vis., dms. .....gal. .43 - .47
USP, 80-90 vis., dms. ....gal. .46 - .51
95-105 vis., dms. .....gal. .53 - .58
125-135 vis., dms. .....gal. .60½- .65½
140-150 vis., dms. .....gal. .64 - .69
175-185 vis., dms. .....gal. .68½- .73½
200-210 vis., dms. .....gal. .70½- .75½
220-330 vis., dms. .....gal. .76 - .81
335-345 vis., dms. .....gal. .77 - .82
Russian, 80-90 vis., dms. .gal. .58 Nom.
145-155 vis., dms. .....gal. .76½ Nom.
175-185 vis., dms. .....gal. .80½ Nom.
335-345 vis., dms. .....gal. .89 Nom.
Wintergreen, natural, North, cns. .lb. 4.00 - 8.00
South, cns. .....lb. 3.05 - 3.75
synth (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns. .....lb. 2.60 Nom.
Wormwood, cns. .....lb. 4.90 - 5.00
Ylang-ylang, Bourb., bots., cns. lb. 2.50 - 3.00
Manila, bots. .....lb. 18.00 -34.00
Olivine, aggregate, c.l., mines, ton. 5.00 - 8.00
Lumps, same basis. .....ton. 7.00 - —
Spalls, same basis. .....ton. 5.00 - —
ground, 200 mesh, c.l., mines, ton. 15.00 - —
20 mesh to dust. .....ton. 10.00 - —
Opium, USP, cns. .....lb. 11.50 -12.50
gran., cns. .....lb. 12.50 -13.50
powd., cns. .....lb. 12.50 -13.50
Orange, Lake, Persian, bbls. .lb. .30 - .40
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash. ....lb. .11 - —
Aris., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash. ....lb. .11½- —
Colo., Mont., N.M., Wyo. lb. .11¼- —
Other points .....lb. .10¾- —
smaller lots, dlvd., Ala., etc. .lb. .11½- —
Ariz., etc. .....lb. .12 - —
Colo., Mont., N. M., Wyo. .lb. .11¾- —
Other points .....lb. .11¼- —
French, Tours, casks, ex dock. lb. .13½- —
kgs., ex dock .....lb. .14½- —
Molybdate, bbls. .....lb. .31 - —
Toner, bbls. .....lb. .80 - —
Orangeflower petals, cs. .....lb. .65 - .70
Orange peel, bitter, bls. .....lb. .10 - .11
sweet, bls. .....lb. .16 - .18
Orris root, Florentine, bgs. ....lb. .14 - .18
fingers, cs. .....lb. 1.25 - 1.30
powd., bbls., bxs. .....lb. .16 - .20
Verona, bls. .....lb. .14 - .17
powd., bxs., cs. .....lb. .16 - .20
Orthoanisidin, bbls. .....lb. .70 - —
Orthochloroaniline, dms. .....lb. .60 - .75
Orthochlorophenol, dms. .....lb. .82 - —
Orthocresol, dms., c.l., works. .lb. .16½- —
l.c.l., same basis. .....lb. .17½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld., E. of Rockies. .lb. .06 - —
l.c.l., same basis. .....lb. .07 - —
100-lb. tins, same basis. .lb. .06 - —
50-lb. tins, same basis. .lb. .09 - —
tanks, same basis. .....lb. .06½- —

Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.

Orthonitroaniline, dms. .....lb. .55 - —
Orthonitrochlorobenzene, dms. .lb. .15 - .16
Orthonitroparachlorophenol, cns. .lb. .75 - —
Orthonitrotoluene, dms. .....lb. .09 - —
Orthotoluidin, dms. .....lb. .19 - —

Oil, Camphor—Petroleum

Osage orange extract, cryst., bbls., lb. .19 - —
liquid, 42°, bbls. .....lb. .06 - —
51°, bbls. .....lb. .09 - —
Oxyquinolin sulphate, cns., 100-lbs., works. .lb. 4.50 - —
bots., cns., 1-50 lbs. .....lb. 3.65 - 4.00
Orthotoluene hydrochloride, dms. lb. .22 - —
Sulphonate, kgs. .....lb. 2.00 - 2.05

P

Papain, powd., cs. .....lb. 2.10 - 2.15
Paprika, Hungarian, extra fancy, bgs. .lb. .40 - .42
medium, bgs. .....lb. .39 - .41
Portuguese, extra fancy, bgs., lb. .32½- .33½
fancy, bgs. .....lb. .31½- .32
Spanish, extra fancy, cs. ....lb. .43 Nom.
Parachlorophenol, dms. .....lb. .45 - —
Paracymene, refd., dms. ....gal. .75 - 1.25
Paradichlorobenzene, dms., c.l. lb. .11 - .12
l.c.l. .....lb. .12½- .15½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy. .lb. .0420 Nom.
bbls., c.l., N. Y. .....lb. .0525 Nom.
124-126 A.m.p., bgs., c.l., Okla., refy. .lb. .04½ Nom.
bbls., c.l., N. Y. .....lb. .0525 Nom.
yellow, 124-126 A.m.p., bbls. c.l., N. Y. .lb. .0525 Nom.
fully refd., slabs, 128-126 A.m.p., bgs., c.l. .lb. .0490- —
loose, c.l. .....lb. .0455- —
125-127 A.m.p., bgs., c.l. .lb. .0505- —
loose, c.l. .....lb. .0470- —
128-130 A.m.p., bgs., or loose, c.l. .lb. .0510- —
Paraffin, fully refd., slabs 131-133 A.m.p., bgs., or loose, c.l, lb. .0535- —
133-135 A.m.p., bgs., or loose, c.l. .lb. .0565- —
135-137 A.m.p., bgs., or loose, c.l. .lb. .0590- —
138-140 A.m.p., bgs., or loose, c.l. .lb. .0635- —
143-145 A.m.p., bgs., or loose, c.l. .lb. .0760- —
151-153 A.m.p., bgs., or loose, c.l. .lb. .70 Nom.

Refined paraffin prices in cases are 1½c. lb. higher than bags price; sold in tankcars is .05c. lower.

match, A.m.p. up to and incl. 110-112 bbls., c.l. .lb. .03½- .03⅝
semirfd., solid., 122-124 A.m.p., bgs. .lb .03¼ Nom.
Paraformaldehyde, dms., 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C. .lb. .84 - —
100 to 900 lbs. shipments, same basis. .lb. .85 - —
Paraldehyde, tech., 99⅞, 55 and 100 gal. dms., c.l., works. .lb. .10 - —
l.c.l., works .....lb. .11¼- —
5 and 10 gal, dms., works. .lb. .15 - —
USP, cs., obys. .....lb. .37 - .42
Paranitroanilin, kgs., works. .lb. .47 - —
Paranitrochlorobenzene, kgs. .lb. .15 - —
Paranitrophenol, kgs. .....lb. .35 - —
Paranitrotoluene, kgs. .....lb. .30 - —
Paraphenylenediamine, bbls. ....lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls. lb. .70 - —
Paratoluidin, bbls. .....lb. .48 - —
Pareira brava root, bls. .....lb. .25 - .27
Paris green, dealer, dms., bbls., c.l., f.o.b. works frt. alld., lb. .23 - .25
less car lot, same basis. lb. .24 - .26
Passion flower, herb, bls. .....lb. .07 - .08
Patchouli leaves, bls. .....lb. .28 - .30
Pellitory root, bls. .....lb. .20 - .30
Pennyroyal leaves, bls. .....lb. .15 - .18
Pentanes norm., 28-38°, dms., c.l., G.3. .gal. .11¼- —
l.c.l., G.3. .....gal. .16 - —
tanks, G.3 .....gal. .08½- —
laboratory grade, dms., c.l., G.3. .gal. .14 - —
l.c.l., G.3 .....gal. .25 - —
Pepper, black, Alleppey, bgs. .lb. .08 - .09
Lampong, bgs. .....lb. .04¼- .04⅝
Tellicherry, bgs. .....lb. .08½- .09
Red, chillies, Japan, Hontaka, lb. .22 - .23
Mombassa, bgs. .....lb. .40 - .45
White, Java, Muntok, bgs. ...lb. .10¼- .10½
Saigon, bgs. .....lb. .09 - .09¼
Peppermint leaves, dom., bls. .lb. .34 - .35
import, bls. .....lb. .55 - .65
Perchlorethylene, dms., c.l., works, frt. alld., zone 1. .lb. .08 - —
l.c.l., same basis. .....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld. .lb. .08½- —
l.c.l., same basis. .....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld. .lb. .09 - —
l.c.l., same basis. .....lb. .09½- —
Zone 4, dms., c.l., f.o.b., stock points. .lb. .09 - —
l.c.l., same basis. .....lb. .09½- —

All prices on perchlorethylene are frt. alld. with the exception of zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal., S. F., Cal., Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb., Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha, S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms. .....lb. 1.10 - 1.15
Petrolatum, amber, dms., c.l. .lb. .04 - —
l.c.l. .....lb. .05 - —
amber, extra, dms. .....lb. .04¼- —
l.c.l. .....lb. .05¼- —
veterinary, dms., c.l. .....lb. .03¾- —
white, cream, dms., c.l. .....lb. .06 - —
l.c.l. .....lb. .07½- —
lily, dms., c.l. .....lb. .07 - —
l.c.l. .....lb. .08½- —
snow, dms., c.l. .....lb. .08 - —
l.c.l. .....lb. .09½- —
Petroleum, crude, bulk, at wells:—
California:—
Alamitos Heights .....bbl. .74 - .80
Athens .....bbl. .84 - 1.40
Belridge .....bbl. .70 - 1.30
Buena Vista Hills .....bbl. .70 - 1.30
Canal-Greely .....bbl. .91 - 1.40
Coalinga .....bbl. .70 - .80
Coyote Hills (West) .....bbl. .70 - 1.30
Dominguez .....bbl. .70 - 1.30
East Coyote .....bbl. .70 - .80
Elk Hills .....bbl. .70 - 1.30
Elwood Terrace, f.o.b. ship., bbl. 1.35 - 1.40
El Segundo .....bbl. .80 - 1.34
Huntington Beach .....bbl. .70 - 1.30
Inglewood .....bbl. .70 - 1.37
Kern Front .....bbl. .70 - —
Kern River .....bbl. .70 - —
Kettleman Hills .....bbl. 1.19 - 1.40

Petroleum—Pet. Thinner

Petroleum, crude, bulk at wells,
California:—
La Habra ..... bbl. .76 - .96
Lakeview ..... bbl. .70 - 1.35
Lost Hills ..... bbl. .70 - 1.15
McKittrick ..... bbl. .70 - —
Midway-Sunset (except Lakeview) .. bbl. .70 - 1.35
Montebello ..... bbl. .77 - 1.75
Mt. Poso ..... bbl. .70 - —
Mountain View ..... bbl. .70 - 1.36
Newhall ..... bbl. .70 - —
Orcutt ..... bbl. .70 - .85
Olinda Brea ..... bbl. .76 - 1.37
Playa del Rey, f.o.b. pipeline ..... bbl. .80 - 1.16
Richfield ..... bbl. .76 - 1.09
Rosecrans ..... bbl. .84 - 1.06
Round Mt. ..... bbl. .70 - —
Santa Fe Springs ..... bbl. .76 - 1.42
Santa Maria ..... bbl. .85 - .70
Santa Paula ..... bbl. .70 - 1.01
Seal Beach ..... bbl. .79 - 1.19
Signal Hill ..... bbl. .80 - 1.21
Torrence ..... bbl. .80 - 1.06
Wheeler Ridge ..... bbl. .70 - .85
Whittier ..... bbl. .76 - .90
Wilmington ..... bbl. .75 - 1.21
Canada:—
Oil Springs ..... bbl. 1.97 - —
Petrolia ..... bbl. 1.90 - —
Central West:—
Illinois ..... bbl. .53 - 1.06
Lima ..... bbl. .90 -
Western Michigan ..... bbl. .88 - —
Princeton ..... bbl. 1.05 - —
East Texas ..... bbl. 1.10 - —
Gulf Coast:—
Barber's Hill ..... bbl. .79 - 1.16
Batson ..... bbl. .74 - 1.04
Dayton ..... bbl. .96 - 1.41
Esperson ..... bbl. .79 - 1.16
Goose Creek ..... bbl. .86 - 1.28
Hull ..... bbl. .74 - 1.04
Humble ..... bbl. .86 - 1.16

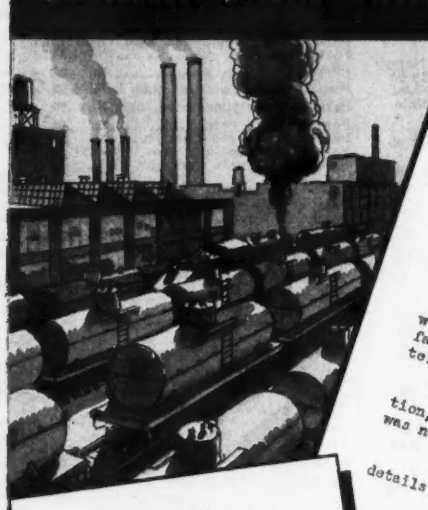
Petroleum, crude, bulk at wells,
Liberty ..... bbl. .79 - 1.16
Markham ..... bbl. .86 - 1.29
Orange ..... bbl. .[illegible] - 1.16
Pettus ..... bbl 1.[illegible]
Pierce Junction ..... bbl. .95 - 1.41
Refugio (incl. Greta, Taft, Saxet) .. bbl. .91 - 1.33
Saratoga ..... bbl. .[illegible] -
Sour Lake ..... bbl. .86 - 1.16
Spindle Top ..... bbl. .74 - 1.09
Sugarland ..... bbl. .86 - 1.23
West Columbia ..... bbl. .79 - 1.28
Kentucky, Tennessee:—
Big Sandy River ..... bbl. 1.02 - —
Kentucky River ..... bbl. 1.02 - —
Western Kentucky (Owensboro) .. bbl. 1.10 - —
Louisiana, Arkansas:—
Bull Bayou ..... bbl. .73 - 1.05
Caddo ..... bbl. .96 - 1.00
Cameron Meadows .... bbl. 1.13 - —
Choctaw ..... bbl. .74 - 1.20
Cotton Valley ..... bbl. .73 - 1.05
Darrow ..... bbl. .74 - 1.20
De Sota ..... bbl. .73 - 1.05
El Dorado ..... bbl. .73 - 1.06
Haynesville ..... bbl. .73 - 1.05
Homer ..... bbl. .73 - 1.05
Iowa ..... bbl. .74 - 1.13
Lockport ..... bbl. .74 - 1.15
Magnolia ..... bbl. .73 - 1.05
Miller County ..... bbl. .73 - 1.05
Pine Island ..... bbl. .73 - 1.05
Rainbow ..... bbl. .73 - 1.06
Rodessa ..... bbl. .73 - 1.05
Smackover ..... bbl. .73 - —
Tepetate ..... bbl. 1.08 - —
Urania ..... bbl. .89 - —
Mexico, f.o.b. terminals Mexican port—based on contract:—
Panuco ..... bbl. No prices
Tuxpan ..... bbl. No prices
Midcontinent:—
North Texas ..... bbl. .51 - 1.10
Oklahoma-Kansas .... bbl. .88 - 1.10

Petroleum, crude, bulk at wells,
Pennsylvania, Ohio, West Virginia:—
Bradford-Allegany ..... bbl. 2.25 - —
Corning ..... bbl. 1.02 -
Pennsylvania grade, in Buckeye lines .. bbl. 1.85 - —
Eureka lines ..... bbl. 1.84 - —
N. Y. Transit lines .. bbl. 2.25 - —
S. W. Penn. lines .. bbl. 1.90 - —
lower district in National Transit lines .. bbl. 2.13 - 2.25
Rocky Mountain:—
Big Muddy ..... bbl. .98 - —
Canon City-Florence ... bbl. .90 - —
Cat Creek ..... bbl. 1.10 - —
Dutton Creek ..... bbl. .86 - 1.10
Elk Basin ..... bbl. .99 - —
Fort Collins-Wellington .. bbl. .81 - 1.05
Frannie, light ..... bbl. .55 - —
Grass Creek, light ..... bbl. .90 - —
Iles ..... bbl. .92 - .96
Lance Creek ..... bbl. .77 - —
Lander ..... bbl. .51¼ -
Midway ..... bbl. .86 - 1.10
Rock Creek ..... bbl. 1.00 - —
Salt Creek ..... bbl. .85 - 1.10
Sunburst ..... bbl. 1.30 - —
Torchlight ..... bbl. 1.30 - —
South Central and Southwestern Texas:—
Cass County ..... bbl. .73 - 1.03
Cleveland-Liberty ..... bbl. 1.14 - —
Conroe ..... bbl. 1.27 - —
Darst Creek ..... bbl. .96 - —
Hardin-Liberty ..... bbl. 1.00 - 1.03
Luling ..... bbl. .87 - —
Lytton Springs ..... bbl. .96 - —
Mirando, (incl. Duval) .. bbl. .86 - 1.28
Panola County ..... bbl. .73 - 1.03
Salt Flat ..... bbl. .96 - —
Tomball ..... bbl. .96 - 1.41
Van ..... bbl. .93 - —
West Beaumont ..... bbl. .86 - 1.28

Petroleum, crude, bulk at wells,
Texas Panhandle:—
Carson-Hutchinson County ..... bbl. .67 - .91
Gray County ..... bbl. .72 - .96
West Texas:—
Artesia, N. M. ..... bbl. .61 - .8
Crane ..... bbl. .53 - .95
Crockett ..... bbl. .53 - .95
Ector ..... bbl. .53 - .95
Eddy (N. M.) ..... bbl. .47 -
Howard ..... bbl. .53 - .95
Jackson, N. M. ..... bbl. .61 - .86
Lea, N. M. ..... bbl. .53 - .95
Maljamar, N. M. ..... bbl. .61 - .86
Mitchell ..... bbl. .53 - .95
Pecos ..... bbl. .55 - .97
Upton ..... bbl. .53 - .95
Winkler ..... bbl. .53 - .95
Ether, 30-60° dms., c.l., G.3 .. gal. .14½- —
l.c.l., G.3 ..... gal. .25½- —
tanks, G.3 ..... gal. .13½- —
35-60°, dms., l.c.l., G.3 .... gal. .30½- —
40-75°, dms., c.l., G.3 .... gal. .14½- —
l.c.l., G.3 ..... gal. .25½- —
tanks, G.3 ..... gal. .13½- —
laboratory grade, dms. c.l., G.3 .. gal. .14½- —
c.l., G.3 ..... gal. .25½- —
10-gal. lots, G.3 ..... gal. .50½- —
lacquer, diluent, at refinery:—
California, 190 t.b.p. 300 e.p., tanks, delvd. Los Angeles .. gal. .11 - —
San Francisco .. gal. .11½- —
f.o.b. Richmond .... gal. .11 - —
Willbridge, Ore., Pt. Wells Wash gal. 12 - —
East Coast, tanks ..... gal. .09½- —
Group 3, tanks ..... gal. .07½- .08
Naphtha, cleaners at refinery:—
East Coast, tanks ..... gal. .10½- —
Group 3, tanks ..... gal. .06½- .07
tankwagon, Boston, ex tax. gal. .13½- —
Bridgeport ..... gal. .[illegible] -
Chicago, inc. 4c. tax .. gal. .18 - —
Decatur, inc. 4c. tax .. gal. .1910- —
Des Moines, inc. 4c. tax. gal. .1890- —
Evansville, inc. ex tax. gal. .15 - .16
Milwaukee, inc. 5c. tax. gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax .. gal. .20[illegible] -
Newark, ex tax ..... gal. .20½- —
New York, ex tax ..... gal. .10½- —
Omaha, ex tax ..... gal. .1490- .1590
Oklahoma City, ex tax. gal. .16½- —
Philadelphia, ex tax ... gal. .12 - —
St. Louis, inc. 1c. tax. gal. .15½- —
Syracuse, 150 gals. ..... gal. .14½- —
smaller lots, each drum .. gal. .10 - —
milk cans ..... gal. .21 - —
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway ..... gal. .15 - —
2, over 90% arom., same basis .. gal. .16 - —
6, tanks, f.o.b Paulsboro N.J. .. gal. .13 - —
30, same basis ..... gal. .14¼- —
40, same basis ..... gal. .14½- —
v.m.&p., at refinery:—
California, 46.5, 254 t.b.p., 380 e.p., tanks, f.o.b. El Segundo .. gal. .11 - —
Richmond .. gal. .11½- —
Willbridge, Ore. Pt. Wells Wash gal. .12 - —
54-57, 190 t.b.p., 310 e.p., tanks, dlvd., Los Angeles, gal. .10 - —
San Francisco .... gal. .10½- —
Portland, Seattle .... gal. 11 - —
East Coast, tanks ..... gal. .09½- —
Group 3, tanks ..... gal. .06⅝- .07
tankwagon, Boston, ex tax. gal. .14½- —
Chicago, inc. 4c. tax .. gal. .17 - —
Des Moines, inc. 4c. tax. gal. .1890- —
Decatur, inc., 4c. tax .. gal. .1910- —
Evansville, Ind., ex tax. gal. .1520- .1620
Milwaukee, inc. 5c. tax. gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax .. gal. .20[illegible] -
Newark, ex tax ..... gal. .11½- —
New York, ex tax ..... gal. .10½- —
Omaha, ex tax ..... gal. .1490- .1590
Philadelphia, ex tax ... gal. .13 - —
St. Louis, inc. 1c. tax. gal. .1570- —
solvent, rubber, at refinery, East Coast, tanks .. gal. .09½- —
Group [illegible] gal. [illegible] -
250 e.p., tanks .. gal. .06⅝- .07
standard [illegible] 288 e.p., tanks .. gal. .06⅝- .07
Stoddard (CS 3-88) at refinery:—
East Coast, tanks ..... gal. .09 - —
Group 3, tanks ..... gal. .06⅝- .06⅛
tankwagon, Boston, ex tax gal. .14 - —
Chicago, inc. 4c. tax .. gal. .1640- —
Decatur, inc. 4c. tax .. gal. .1860- —
Des Moines, inc. 4c. tax. gal. .1840- —
Evansville, Ind., ex tax. gal. .14 - .15
Milwaukee, inc. 5c. tax. gal. .1980- —
Minneapolis-St. Paul, inc. 5c. tax .. gal. .1820- —
Newark, ex tax ..... gal. .09½- —
New Orleans ex tax gal. [illegible] -
New York, ex tax ..... gal. .09½- —
Omaha ..... gal. .1860- .14½
Philadelphia, ex tax ... gal. .13 - —
St. Louis, inc. 1c. tax. gal. .1340- —
Tulsa, ex tax ..... gal. .10½- .11½
thinners, at refinery:—
California, 34, 325 t.b.p., 390 e.p., low aniline, 6,000 gal. tanks or transport trucks, f.o.b. Los Angeles .. gal. .15 - —
Portland, Ore ..... gal. .16 - —
Richmond ..... gal. .14½- —
Seattle, Wash .. gal. .16½- —
tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore .. gal. .10½- —
Richmond ..... gal. .10 - —
Southern Calif .... gal. .09½- —
86, 200 t.b.p., 300 e.p., tanks, f.o.b. El Segundo, gal. .11 - —
Portland, Ore .... gal. .12 - —
Richmond ..... gal. .11½- —
Seattle, Wash .... gal. .12 - —
East Coast, 43-47, tanks. gal. .09 - —
47-49, tanks ..... gal. .10½- —
New Jersey, tanks ..... gal. .09 - —
Group 3, tanks ..... gal. .05⅞- .06
tankwagon, tax included:—
Albany ..... gal. .13½- —
Baltimore (100 gals.) .. gal. .14 - —
25-99 gals ..... gal. .16 - —
Boston ..... gal. .13½- —
Grand Brook [illegible] boy, N. J. .. gal. .13½- —
Bridgeport, Conn ..... gal. .11½- —
Buffalo ..... gal. .15½- —
Camden, N. J. ..... gal. .10 - .11½
Chicago ..... gal. .1670 - —
Decatur ..... gal. .1810 - —
Des Moines ..... gal. .1790 - —
Evansville, Ind ..... gal. .1420 - .1520
Milwaukee ..... gal. .1930 - —
Minneapolis-St. Paul ... gal. .19½- —
Newark ..... gal. .09½- —
New York (200 gals.) .. gal. .09½- —

Skelly Service Saves Another Costly Shutdown!

(A Letter from a Skellysolve Technical Field Man to his Chief)



Dr. A. Ernest MacGee, Manager
Solvents Division
Skelly Oil Company
Chicago, Illinois

Dear Doc:

Got your wire yesterday and left immediately for [redacted] arriving early this morning. Here's what I found.

This plant, as you know, has been using one of our special hydrocarbon fractions for several years, in a process that requires a highly skilled operator. Last week their regular operator was rushed to the hospital, and they had to use a substitute.

The new man proved capable enough until yesterday when something went wrong in a vital phase of their operation. The substitute wasn't familiar with the problem, they needed help quickly, and that's when they telephoned you in Chicago.

I found it a fairly simple matter to make the necessary correction, and by noon the plant was operating smoothly as ever. No shutdown was necessary.

Knew you'd be interested in hearing how this turned out. More details later. Leaving for Detroit at 2:30.

Sincerely,

Bob

How SKELLYSOLVE is Serving the OIL, PAINT and DRUG FIELD

The Skellysolve line includes naphthas specially fractionated for every industrial use. We furnish a complete line of V. M. & P. naphthas, mineral spirits and lacquer diluents, as well as many other special hydrocarbons with properties to fit every plant or laboratory process. Our technical staff has aided many manufacturers by helping them develop formulas for new or improved products which have proved of value.

EVERY user of special industrial naphthas recognizes certain qualities as being highly important in the product supplied him. Purity, uniformity, dependability—these are more than desirable, they are essential. But sooner or later in the experience of every user comes a time when prime importance attaches to another factor —*ability of the supplier to render special service in emergencies!* And that is where Skelly shines! Months, even years, may go by without your having need to avail yourself of this service. But when that occasion does arise, the quick and effective action Skelly is famous for may mean a great deal to you. The emergency may call for rushing you a tank truck of solvent from our Chicago bulk plant to cover a sudden shortage. It may entail double-rushing shipment by re-routing a tank car in transit, or sending you a specially trained man to correct a stubborn problem in your plant. Whatever the circumstances, you can depend on our snapping into action with all the resources at our command, to give you help when needed most! That's one more reason so many firms have found that sooner or later Skelly saves them money!

SKELLY

SKELLYSOLVE

SOLVENTS DIVISION, Skelly Oil Co., 4814 S. Richmond St., Chicago, Ill.
A. Ernest MacGee, Manager
WIRE OR WRITE TODAY FOR INFORMATION OR PRICES!

Petroleum thinners, tankwagon, tax included;—
Omaha ..... gal. .1360- .1460
Philadelphia ..... gal. .12½- —
Pittsburgh ..... gal. .11½- .13½
Providence ..... gal. .12 - —
Rochester ..... gal. .12½- —
St. Louis ..... gal. .1470 - —
Syracuse ..... gal. .13 - —
Trenton ..... gal. .10½- —
Wilmington, Del. ..... gal. .12½- —
Phenobarbital, 5-lb. bots. ..... lb. 3.95 - —
bots. or cns., 100 lbs., spot or contract .. lb. 3.60 - —
25-lb. cns. ..... lb. 3.85 - —
Phenol, USP, dms., c.l., works, frt. equald .. lb. .13 - —
l.c.l., same basis ..... lb. .13¾- —
under 1,000 lbs. ..... lb. .14¾- —
tanks, works ..... lb. .12 - —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots .. lb. .85 - —
bbls., dms., kegs, 100-250 lbs., lb. .87 - .89
yellow, fib., dms., 2,000-lb. lots .. lb. .80 - —
100-lb. fib., dms. ..... lb. .82 - —
25-lb. dms. ..... lb. .87 - —
50-lb. kgs. ..... lb. .64 - —
Phenyl chloride, dms. ..... lb. .17 - —
Phenylacetaldehyde, bots. ..... lb. 2.10 - 2.50
Dimethylacetate, cns. ..... lb. 14.50 - 15.00
Phenyl ethyl acetate, cns. ..... lb. 2.45 - 2.50
Phenylethylphenyl acetate, bots., lb. 7.90 - 15.50
Phenylhydrazine, base, CP, bots., lb. 4.00 - —
Hydrochloride, CP, bots., works .. lb. 4.00 - —
commercial, kgs., works .. lb. 1.50 - —
pure, bbls., works ..... lb. 2.25 - —
Phloroglucinol, CP, tins, works .. lb. 20.00 - 22.00
tech., tins, works ..... lb. 15.00 - 16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines .. long ton. 4.35 - -

Phosphate rock, Fla., land pebble, 68% min., bulk, mines, long ton. 1.90 - —
land pebble, 70% min., bulk, mines .. long ton. 2.15 - —
72% min., bulk, mines ..... long ton. 2.40 - —
75% basis, 74% min., bulk mines .. long ton. 2.90 - —
Tenn., 72% bulk, mines, long ton. 4.50 - —
75% bulk, mines .. long ton. 5.50 - —
Phosphorus, red, cs. ..... lb. .40 - .44
yellow, dms. ..... lb. .18 - .20
cases ..... lb. .23 - .26
Oxychloride, cyls. ..... lb. .16 - .18
Pentoxide, dms., c.l., works, lb. .11 - .12
l.c.l., dms., wks. ..... lb. .13 - .14
Sesquisulphide, cs. ..... lb. .38 - .42
Trichloride, cyls. ..... lb. .15 - .16
Phthalamide, bbls., works, tons, lb. .35 - —
single bbls., works ..... lb. .40 - —
kgs., works ..... lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld. E. of Miss. R .. lb. .14½- —
l.c.l., same basis ..... lb. .15½- —
Pichi leaves, bgs. ..... lb. .20 - .28
Pilocarpine hydrochloride, bots., vls .. oz. 2.25 - 2.35
Nitrate, bots., vls. ..... oz. 1.75 - 2.00
Pimento, bgs. ..... lb. .12½- .12¾
Pinkroot, bls. ..... lb. .36 - .37
Pitch, Burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works .. ton. 19.00 - —
l.c.l. ..... ton. 22.00 - —
Pitch, hardwood, 1-time, dms., c.l., dlvd. Akron .. ton. 23.75 -24.00
Linseed, dms. ..... lb. .05 - .05¼
Petroleum (see Asphaltum, Mexican, Texas).
Pine, bbls. ..... bbl. 6.00 - 6.25

Plaster of paris (see Gypsum).
Pleurisy root, Southern, bls. ..... lb. .12 - .13
Podophyllin, dms., dlvd., E. of Miss. .. lb. 4.50 - 4.70
Poke root, bls. ..... lb. .07 - .07½
Pomegranate bark, bgs. ..... lb. .53 - .54
Root bark, bgs. ..... lb. .49 - .50
Poppy flowers, red, bls. ..... lb. 1.15 - 1.20
Seed, Dutch, bgs. ..... lb. .27 - .28
Polish, bgs. ..... lb.
Potash abietate ..... lb. .08 - —
Acetate, tech., bbls., dlvd. .. lb. .26 - —
kgs., dlvd. ..... lb. .28 - —
USP, bbls., 250 lbs. ..... lb. .28 - —
kgs., 100 lbs. ..... lb. .30 - —
cns., 25 lbs. ..... lb. .33 - —
Arsenite, USP, solut., cbys., 100 lbs .. lb. .11 - —
demj., 50 lbs. ..... lb. .12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs .. lb. .15 - —
kgs., 100 lbs. ..... lb. .17 - —
gran., bbls., 250 lbs. ..... lb. .15 - —
kgs., 100 lbs. ..... lb. .17 - —
Bichromate, spot, c.l., works .. lb. .08¾- —
6 casks or 10 bbls., or over, works .. lb. .09 - —
5 casks or 9 bbls., or less, works .. lb. .09¼- —
Bromide, USP, gran., bbls., 500 lbs .. lb. .31 - —
fib., dms., 100 lbs. ..... lb. .32 - —
Carbonate, calc., dms., c.l., works .. lb. .06½- —
l.c.l., same basis ..... lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works .. lb. .05½- —
l.c.l., same basis ..... lb. .05¾- —
liquid, dms., c.l., dlvd. ..... lb. .03 - —
l.c.l., dms. ..... lb. .03½- —
tanks, dlvd. ..... lb. .0287¼- —
USP, gran., bbls., 325 lbs .. lb. .13¼- —
powd., bbls., 325 lbs. ..... lb. .19 - —
kgs., 100 lbs. ..... lb. .21 - —

Petroleum Thin.—Pyrox. Scrap

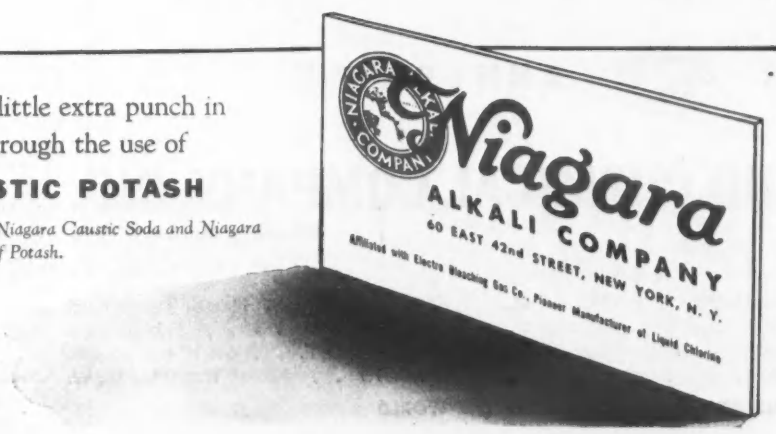
Potash caustic, flake, 88-92%, dom., c.l., works .. lb. .07 - —
l.c.l. ..... lb. .07¼- .07½
import, dms. ..... lb. No prices
liquid, 45% basis, dms. ..... lb. .03½- .03¾
tanks ..... lb. .02¾- —
solid, 88-92%, dom., dms., c.l., works .. lb. .06¼- —
l.c.l. ..... lb. .06½- .06¾
import, dms. ..... lb. No prices
Chlorate, cryst., kgs. ..... lb. .09½ Nom.
gran., kgs. ..... lb. .12 Nom.
powd., kgs. ..... lb. .08½ Nom.
Chloride, tech., 98% cryst., bgs., kgs .. lb. .04 Nom.
Chromate, kgs. ..... lb. .24 - .27
Citrate, USP, gran., bbls., 250 lbs .. lb. .33½- —
kgs., 100 lbs. ..... lb. .34½- —
cns., 50 lbs. ..... lb. .35½- —
cns., 25 lbs. ..... lb. .37½- —
Cyanide, cns., dms. ..... lb. No prices
Cyanide, gold, 41% gold, bots., works .. oz. 14.20 -15.45
Glycerophosphate, 75% sol., dms., 1,000-lb. lots .. lb. 1.00 - —
100-lb. lots ..... lb. 1.10 - —
50-lb. lots, cbys. or cns. lb. 1.15 - —
25-lb. lots, cns. ..... lb. 1.25 - —
Guaiacolsulphonate, fib., dms., 100-lb. lots .. lb. 1.60 - 1.65
cns., 25 lbs. ..... lb. 1.75 - —
Hydroxide, USP, sticks, cns., 100 lbs. .30½- .32
Hypophosphite, cns., 100 lbs., lb. .72 - —
25 to 50 lbs. ..... lb. .75 - —
Iodate, bots., 5 lbs. ..... lb. 3.31 - 3.35
cns., 25 lbs. ..... lb. 3.20 - —
Iodide, bbls., 250 lbs. ..... lb. 1.35 - —
bots., or cns. ..... lb. 1.44 - 1.70
dms. ..... lb. 1.35 - 1.38
Kainit, 20% K_2O, bulk, c.i.f. ports .. ton. 12.25 - —
Manure salt, dom., run of mine, approx. 30% K_2O, bulk, c.i.f. ports ..... unit-ton. .58½- —
import, 30% K_2O, bulk, shipt. unit-ton. .58½- —
Metabisulphite, kgs. ..... lb. .16 Nom.
Muriate, dom., all strengths, min., 50% K_2O, bulk, unit-ton. .86¼- —
Import, all strengths, min. 80% KCl, basis 50% K_2O, bulk, c.i.f. ports .. unit-ton. .83½- —
Potash muriate prices in bags are $3 per ton higher than bulk price.
Oxalate, pure, cryst., kgs. ..... lb. .80 - .81
tech., bbls. ..... lb. .25 - .30
Nitrate, crude, bgs., c.i.f. ports, ton. 55.00 Nom.
Perchlorate, kgs., works ..... lb. .09 - .10¼
Permanganate, tech., dms. ..... lb. .18½- .19
Prussiate, red, bbls. ..... lb. .35 - .45
Yellow, bbls. ..... lb. .15 - .16
Ricinoleate, tech., bbls. ..... lb. .13 - —
Silicate alkaline, lump, bgs., lb. .07 - —
Sulphate, NF, cryst., bbls., 400 lbs .. lb. .13 - —
kgs., 100 lbs. ..... lb. .15 - —
powd., bbls., 380 lbs. ..... lb. .14 - —
kgs., 100 lbs. ..... lb. .16 - —
tech., 90-95%, min. 90%, bgs., shipt., c.i.f. ports .. ton. 26.25 - —
l.c.l. ..... lb. .12½- —
Xanthate, dms., c.l. ..... lb. .12 - —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt, ton. 24.75 - —
Potash-titanium oxalate, kgs. .. lb. .35 - .40
Prickly ash bark, bls. ..... lb. .19 - .20
Berries, bgs. ..... lb. .40 - .45
Prince's pine herb, bls. ..... lb. .15 - .17
Propane, tanks, Group 3 .... gal. .03¾- .04
Psyllium seed (see Fleaseed).
Pulsatilla, bls. ..... lb. .28 - .30
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, obls., 3 or over, works .. lb. .03½- —
less than 3, works .... lb. .04½- —
F and 1, bbls., 3 or over, works .. lb. .04 - —
less than 3, works .... lb. .04½- —
O, O-½, O-¾, and ½ bbls., less than 3, works .... lb. .04½- —
3 or over, works ..... lb. .04½- —
Ital.-grd., ogs., c.l., shipt. ex dock, N. Y ... ton. 39.00 Nom.
l.c.l., 5-20 tons, ex whse., ton. 44.00 Nom.
1,000-10,000 lbs., ex whse .. ton. 46.00 Nom.
2 bgs., to 1,000 lbs., ex whse, ton. 48.00 Nom.
single bgs., ex whse .. ton. 60.00 Nom.
Pumpkin seed, bgs. ..... lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms. ..... 100 lbs. 6.00 - —
linseed oil, raw, dms .... 100 lbs. 4.50 - —
refined, dms. ..... 100 lbs. 5.00 - —
standard, dms. ..... 100 lbs. 3.95 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrin (Seil test) 55-gal. dms. (incl.) frt. alld., or dlvd., on 15 gls., or more, standard brand, odorless .. gal. 7.15 - 7.50
Pyrethrum, concentrate, basis (30 to 1) 3.6% pyrethrin, 55-gal. dms. (incl.) frt. alld., or dlvd., on 15 gals., or more, standard brand, odorless. gal. 10.65 -11.60
Pyrethrum, flowers, coarse, grnd. (g.d.p.) Japan, bgs., frt. alld., 15 tons or over .. lb. .33 - .36
fine powd. Japan, bbls., ton lots frt. alld .. lb. .35 - .37
Pyridin, denaturing, dms .... gal. 1.63 - —
refd., 2°, dms. ..... lb. .50 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports .. unit-ton. .12-13 Nom.
Pyrocatechin, CP, cryst., works, fib., dms., tins .. lb. 2.15 - 2.40
resublimed, fib. dms., tins .. lb. 4.00 - —
Pyrophyllite, standard, 200 mesh, c.l. mines .. ton. 9.00 - —
325 mesh, same basis .... ton. 12.00 - —
No. 3, 200 mesh c.l. mines .. ton. 7.50 - —
325 mesh, same basis .... ton. 10.50 - —
Pyroxylin scrap, amber, cs., works .. lb. .12 - —
black, cs., works ..... lb. .10 - —
China white, ivory, cs., works, lb. .13 - —
dense white, cs., works .. lb. .10 - —
gray, cs., works ..... lb. .06 - —
mixed, mottles, opaque, cs., works .. lb. .04 - —
shell-demi, cs., works ..... lb. .12 - —
translucent pastels, cs., works .. lb. .10 - —
transparent, cs., works ... lb. .20 - —
colors, cs., works ..... lb. .12 - —
shavings, amber, cs., works .. lb. .16 - —
colors, mixed, cs., works .. lb. .10 - —
white, cs., works ..... lb. .15 - —

"My wife would like to talk with the clerk who sold me this bottle of energy elixir!"

Maybe you can put a little extra punch in your production through the use of

NIAGARA CAUSTIC POTASH

Fine results can be obtained, too, with Niagara Caustic Soda and Niagara Carbonate of Potash.


NIAGARA ALKALI COMPANY
Niagara
ALKALI COMPANY
60 EAST 42nd STREET, NEW YORK, N. Y.
Affiliated with Electro Bleaching Gas Co., Pioneer Manufacturer of Liquid Chlorine

Quassia—Saltcake

Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .03¾- —
tanks, works .....lb. .03¼- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04¾- —
clarified, 64%, bgs., c.l., same basis..lb. .04¾- —
Queen of the meadow leaves, bgs..lb. .07 - .08
Root, bgs.....lb. .10 - .11
Quercitron, extract, liquid, 51°, bbls..lb. .07½- .08½
solid, dms.....lb. .10 - .15½
Quicksilver, dom., flasks, (76 lbs. net, dlvd., N.Y..flasks.150.00 -155.00
European, flasks, (76 lbs. net) in bond..flasks.105.00 Nom.
Quince seed, bgs.....lb. .90 - 1.10
Quinidine, cryst., small, cns..oz. .99 - —
large, cns.....oz. .98 - —
powd., precip., cns.....oz. .91 - —
Sulphate, cns.....oz. .67 - —

Subject to surcharge of 4c. per oz.; see note under Quinine.

Quinine, 100 ozs., cns.....oz. .76 - —
Acetate, cns.....oz. .99 - —
Arsenate, cns.....oz. .92 - —
Arsenite, cns.....oz. 1.01 - —
Bisulphate, cns.....oz. .54 - —
Citrate, cns.....oz. .72 - —
Dihydrobromide, bots.....oz. .75 - —
Dihydrochloride, bots.....oz. .75 - —
Ethylcarbonate, cns.....oz. .75 - —
Ferrocyanide, cns.....oz. 1.01 - —
Formate, cns.....oz. .94 - —
Glycerophosphate, cns. oz. 1.14 - —
Hydrochloride, cns.....oz. .98 - —
Hydrochlorosulphate, cns....oz. .75 - —
Hydroiodide, cns.....oz. .99 - —
Hypophosphite, cns.....oz. .99 - —
Phosphate, cns.....oz. .82 - —
Salicylate, cns.....oz. .73 - —
Sulphate, USP, X, cns.....oz. .54 - —
USP, XI, cns.....oz. .61 - —
Sulphocarbolate, cns.....oz. .97 - —
Tannate, cns.....oz. .57 - —
Tartrate, cns.....oz. .97 - —
Valerate, cns.....oz. .93 - —

Quinine buyers must pay a surcharge of 4c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride, cns.oz. .75 - —

Subject to surcharge of 4c. per oz.; see note under Quinine.

R

R, salt, dry, bbls.....lb. .53 - —
paste, dms.....lb. .52 - —
Rapeseed, Belgian, bgs.....lb. .07½- .08
Dutch, black, bgs.....lb. .08 - .08½
red, bgs.....lb. .08 - .08½
Japanese, bgs.....lb. .06¾- .07
Raspberries, dried, bls.....lb. .65 - .70
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.20

Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., La., (Shreveport, 1½c.) Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago

Red, cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .90 - —
smaller lots, same basis, lb. .95 - —
kgs., ton lots, same basis, lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
light shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
light-medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis, lb. .85 - —
kgs., ton lots, same basis, lb. .85 - —
smaller lots, same basis, lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
kgs., ton lots, same basis, lb. 1.05 - —
smaller lots, same basis, lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
medium shade, bbls., ton lots, same basis..lb. .90 - —
smaller lots, same basis, lb. .95 - —
kgs., ton lots, same basis, lb. .95 - —
smaller lots, same basis, lb. .95 - —
Selenide, bbls., dark, works, lb. 2.50 - —
light, works.....lb. 2.25 - —
orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Carmine, 40 1-lb. cns., 500 lbs., lb. 5.00 - —
dms., 500-lb. lots.....lb. 4.85 - —
100-lb. lots .....lb. 4.95 - —
Crocus martis (see Red, purple ox.de).
Eosin toner, bbls.....lb. 1.50 - 1.60
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y...08¾- —
80%-85%, bbls., same basis..lb. .07¾- —
Iron oxide (see Red oxide).
Lake C toner, bbls., same basis alizarin lake, contracts..lb. 1.10 - —
open order .....lb. 1.15 - —
Lithol toner, bbls., same basis, alizarin, lake, contrs...lb. .62 - —
open order.....lb. .67 - —
Rose lake, bbls.....lb. .20 - .25
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis alizarin lake..lb. 1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake contracts, lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom., bbls. lb. 2.41 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .08½- —
l.c.l., works .....lb. .09½- —
shell, dom., cs., works.....lb. .12 - —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N. Y.....lb. .08¼- —
50% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kegs, same basis alizarin lake, contracts..lb. .75 - —
open order .....lb. .80 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y.lb. .04½- .04¾
ex whse., Chicago, St. Louis..lb. .05¾- —
San Fran., Los Ang., Portland, Seattle..lb. .05 - —
Phloxin toner (see Red, Eosin toner)
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .08 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .50 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish, oxide, bbls., f.o.b. N. Y..lb. .03¾- .0390
Toluidine toner, kgs., same basis alizarin lake..lb. 1.20 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0255- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermillion, Amer., bbls., same basis alizarin lake.....lb. .15 - —
quicksilver, bbls., 5 tons..lb. No prices
smaller lots.....lb. 2.70 - 2.79

Red dyes are listed under Dyes.

Red precipitate, N. F., powd., fib. dms., 50 lbs. or more..lb. 2.66 - —
Red saunders wood, ground, bbls., lb. .12 - .17
Resorcinol, tech., dms., works.lb. .75 - .80
USP, cryst., bbls., works...lb. 1.50 - 1.55
Rhatany root, bgs.....lb. .15 - .16
Rhodinol, bots.....lb. 5.55 -10.90
Rhubarb, root, cs.....lb. .48 - .50
powd., bbls., kgs.....lb. .52 - .55
Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipm't..lb. .20¾- —
smaller lots.....lb. .21¼- —
powd., bbls., 5,000 lbs., 1 shipt..lb. .19¾- —
smaller lots.....lb. .20¼- —
Rose flowers, pale, bls.....lb. .65 - .70
red, bls.....lb. 3.50 - 3.55
Rose flowers, pale, bls.....lb. .60 - .75
Leaves, bls.....lb. .08 - .09
Rosin, gum., bbls., ex dock, 280 lbs. 5.15 - —
D, bbls.....280 lbs. 5.35 - —
E, bbls.....280 lbs. 6.25 - —
F, bbls.....280 lbs. 6.35 - —
G, bbls.....280 lbs. 6.60 - —
H, bbls.....280 lbs. 6.60 - —
I, bbls.....280 lbs. 6.75 - —
K, bbls.....280 lbs. 6.75 - —
M, bbls.....280 lbs. 6.75 - —
N, bbls.....280 lbs. 6.85 - —
W. G., bbls.....280 lbs. 7.05 - —
W. W., bbls.....280 lbs. 7.50 - —
X, bbls.....280 lbs. 7.50 - —
Rosin, wood, bbls.....280 lbs. 4.35 - 6.00
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 Nom.
l.c.l., f.o.b. mines.....ton.37.50 Nom.
Import, lump, bbls.....lb. .14 Nom.
powd., bbls.....lb. .08½- .10
Rue, bls.....lb. .35 - .38

S

Sabadilla seed, powd., bbls....lb. .22 - .23
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .45 - .46
Saffron, Mexican, bls.....lb. .42 - .43
Spanish, tins.....lb.50.00 -52.00
Sage, Dalmatian, stemless.....lb. .16 - .17
garden, bls. .....lb. .18 - .19
Safrol, cns.....lb. .72 - .77
dms. .....lb. .70 - .75
Sago flour, bgs.....lb. .04 Nom.
Salicin, bots., 5 lbs.....lb. 5.00 - —
cns., 25 lbs.....lb. 4.75 - —
Salol, gran., bbls., 200 lbs.....lb. .99 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd., N. Y..ton.13.20 -13.80
l.c.l., bgs., dlvd., N. Y..ton.15.00 -15.60
vacuum, common, fine bgs.,c.l. dlvd., N.Y..ton.15.30 - —
l.c.l., dlvd., N.Y.....ton.16.60 -19.70
Saltcake, grd., dom., bbls., works, ton.19.00 -25.00
bulk, works .....ton.15.00 - —
import, bulk, c.i.f.....ton.15.00 Nom.
Chrome (see Chrome cake).

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WHY OUR PHTHALIC ANHYDRIDE DELIVERIES SATISFY CUSTOMERS

Left: National's unique sampling tube that penetrates, from top to bottom, and draws a completely representative test sample from each Phthalic Anhydride container.

Above: A laboratory control station where each production stage—from raw material to finished product—is checked.

WE BEND OVER BACKWARDS ON STANDARDIZATION

From raw materials to the individual deliveries into your plant, National's Phthalic Anhydride is a laboratory controlled product, the result of strict adherence to scientifically fixed and rigid standards that assure you of uniform quality and the highest purity.

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BRANCHES AND DISTRIBUTORS THROUGHOUT THE WORLD

Saltpeter, dbl., refined, cryst., 10-20 tons, bbls..100 lbs. 7.50 - 8.25
1-9 tons .....100 lbs. 7.65 - 8.40
less than ton lots..100 lbs. 7.90 - 8.65
gran., bbls., 10-20 tons, 100 lbs. 6.50 - —
1-9 tons .....100 lbs. 6.65 - —
less than ton lots..100 lbs. 6.90 - —
powd., bbls., 10-20 tons.100 lbs. 7.50 - —
1-9 tons .....100 lbs. 7.65 - —
less than ton lots..100 lbs. 7.90 - —
Santonin, cryst., cns.....kilo.120.00 -132.00
Saponin, crude, cns.....lb. 1.45 - —
purified, bots, 5 lbs.....lb. 1.65 - —
cns., 25 lbs. .....lb. 1.50 - —
Sarsaparilla root, Honduras,bls.lb. .40 - .41
Mexican, bls.....lb. .19 - .20
Sassafras, bark, ord., bls.....lb. .13 - .14
select, bls.....lb. .18 - .20
Savory, bbls. .....lb. .15 - .16
Saw palmetto berries, bgs.....lb. .08 - .09
Scammony root, bgs.....lb. .07 - .09
resin, lump, cns.....lb. .85 - —
powd. bxs.....lb. .90 - —
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipm't..lb. .16½- —
smaller lots .....lb. .16⅝- —
kegs, 5,000 lbs., 1 shipm't..lb. .16⅝- —
smaller lots .....lb. .17⅛- —
Selenium, pwd., A, 10-lb. tins..lb. 2.00 - —
100-lb. cases .....lb. 1.75 - —
Senega root, bls.....lb. .68 - .70
Senna leaves, Alexandria, bls..lb. No prices
siftings, bls.....lb. .13 - .15
Tinnevelly, No. 1, bls.....lb. .14 - .15
2 bls.....lb. .12 - .13
3 bls.....lb. .10 - .11
powd., bbls., bxs.....lb. .13 - .14
Pods, bls.....lb. .13 - .14
Serpentaria root, bls.....lb. .76 - .77
Shellac, bleached, bonedry, bbls., f.o.b., N.Y..lb. .24 Nom.
dlvd. Boston .....lb. .24½ Nom.
Chicago .....lb. .24¾ Nom.
Pacific Coast.....lb. .27 Nom.
refd., bbls., f.o.b., N.Y....lb. .30 Nom.
dlvd. Boston.....lb. .30½ Nom.
Chicago .....lb. .30¾ Nom.
Pacific Coast.....lb. .33 Nom.
Garnet, bgs.....lb. .16 Nom.
Orange, D.C., VSO., Diamond I, cases..lb. .25 Nom.
Superfine, bgs., f.o.b. Bost., N. Y..lb. .17 Nom.
dlvd. Chicago.....lb. .17½ Nom.
Pacific Coast.....lb. .20 Nom.
T.N., bgs., f.e.b. Bost., N. Y., lb. .16 Nom.
dlvd., Chicago.....lb. .16½ Nom.
Pacific Coast.....lb. .19 Nom.
Varnish, orange, 5-lb. cut., bbls, gal. 1.05 - 1.10
4½-lb. cut, bbls.....gal. 1.00 - 1.05
4-lb. cut, bbls.....gal. .95 - 1.00
white, 5-lb. cut, bbls.....gal. 1.15 - 1.20
4½-lb. cut, bbls.....gal. 1.10 - 1.15
4-lb. cut, bbls.....lb. 1.05 - 1.10
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs. c.l.,works.ton.17.00 - —
l.c.l., 2½ tons,works.ton.19.00 - —
smaller lots, works.ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.19.00 - —
l.c.l., 2½ tons, works.ton.19.50 - —
smaller lots, works.ton.21.00 - —
400 mesh, bgs., c.l., works, ton.35.00 - —
l.c.l., 2½ tons, works.ton.36.50 - —
smaller lots, works.ton.38.00 - —
wet-grd., 96-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons,works.ton.21.50 - —
smaller lots, works.ton.23.00 - —
90%, 325 mesh bgs., c.l., works..ton.22.00 - —
bgs., l.c.l., 2½ tons, works, ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 140 mesh, bgs., c.l., works.....ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .37½- —
Govt., purchase, dom., metal, oz. .7111- —
Govt. purchase, foreign metal oz. .35 - —
cyanide, cns., 2,500 ozs.....oz. No prices
1,000 ozs.....oz. No prices
500 ozs.....oz. No prices
80 to 100 ozs.....oz. No prices
Nitrate, vis.....oz. .28½- —
Nucleinate, bots., cns., 480 oz., lots..oz. .30 - .31
Protelnate, bots., cns., 480 oz., lots..oz. .29 - .30
Simarubra bark, bls.....lb. .33 - .45
Skatol, bots.....lb.75.00 -80.00
Skullcap, Eastern, bls.....lb. .23 - .24
Western, bls.....lb. .14 - .15
Skunk cabbage root, bls.....lb. .11 - .12
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .20 - .22
Smalt, black, extra velvet, cnts., lb. .05 - .08
Blue, cts.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .22 - .23
crushed, bls., bbls.....lb. .26 - .27
cut, bls., bbls.....lb. .40 Nom.
powd., bbls.....lb. .32 - .33
Soda, acetate, anhyd., dms., dlvd. lb. .08½- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04 - —
l.c.l., dlvd..lb. .04½- .05
powd., 90%, dms., c.l., dlvd., lb. .06 - —
l.c.l., dlvd.....lb. .06¾- —
Alginate, dms., bbls., works, lb. .71 - .95
Antimoniate, bbls.....lb. .15 - .15½
Arsenate, dms., dealers, c.l., works..lb. .08 - —
l.c.l., dms., works.....lb. .08½- —
Arsenite, dry, gray, dms., c.l., dealers' works..lb. .07½- .09½
l.c.l., dms., works.....lb. .08 - .10
white, dms., c.l., dealers' works..lb. .09 - .11
l.c.l., dms., works.....lb. .09½- .11½
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.38 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works..100 lbs. 1.35 -
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 -
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
sulg, c.l., works....100 lbs. .95 - —
extra light, 58%, bgs., c.l., 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., Zone 1....100 lbs. 1.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.80 - —
4 .....100 lbs. 3.25 - —
l.c.l., Zone 1....100 lbs. 2.45 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash, light, 58%, bgs., c.l., works..100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1. E. of Miss. R., but including Davenport and St. Louis, to S. bndry. of Va. and Ky., N. E. States (in Me., N. H., Vt.), special local prices apply for shipts to various counties; Zone 2, Ala., Fla., Ga., Iowa (except Davenport), E. Kan. (incl. Wichita), Minn., Miss., Mo. (except St. Louis), N. C., Omaha, S. C., Tenn.; Zone 3, Ark., Kan. (W. of Wichita), La., Neb. (except Omaha), N. D., Okla., S. D., Tex. (except El Paso); Zone 4, Ariz., Colo., El Paso (Tex.), Idaho, Mont., Nev., N. M., Spokane, Utah, Wyo.; Zone 5, Calif., Ore., Wash. (except Spokane).

Benzoate, tech., bbls., 4,000 lbs. or more..lb. .30 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .45 - —
USP, bbls., 4,000 or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs or less.....lb. .50 - —
dms., 4,000 lbs., or more..lb. .47 - .48
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs or less.....lb. .51 - .52

Soda bicarbonate, tech., bbls., c.l., wks..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - 1.60
l.c.l. .....100 lbs. 1.90 - 1.95
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
powd., bbls., c.l., works, 100 lbs. 1.85 - —
l.c.l., dlvd. N. Y...100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd. N Y..100 lbs. 2.76 - —
Bichromate, spot, c.l., works.lb. .06⅝- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07 - —
6 cks, or 9 bbls. or less, works..lb. .07½- —
Bifluoride, bbls.....lb. .11¼ - .12
Bisulphite, powd., bbls., c.l., bbls., wks..100 lbs. 2.30 - 2.55
l.c.l works.....100 lbs. 2.50 - 2.75
solution, 23 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
63 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works.100 lbs. 1.60 - —
66 degs., bbls., c.l., works, 100 lbs. 1.40 - —
l.c.l., bbls., works.100 lb. 1.65 - —
40 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works.100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
fiber dms., 100 lbs.....lb. .32 - —
Cacodylate, bbls., 5 lbs.....lb. 5.31 - —
jars, 25 lbs.....lb. 5.50 - —
Carbonate (see Soda ash, soda monohydrated soda sal)

Saltpeter—Sod. Chlorate

Soda, caustic, flake, 76%, powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.00
2 .....100 lbs. 3.70 - 5.00
3 .....100 lbs. 3.95 - 5.00
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l. same zone prices as ammonia process.
liquid, 47-49% buyers' tanks, works..100 lbs. 1.92½- —
seller's tanks, works, 100 lbs. 1.95 - —
76%, buyer's tanks, works, 100 lbs. 1.97½- —
seller's tanks, works, 100 lbs. 2.00 - —
solid, 76%, ammon. process, dms., c.l., works, 100 lbs. 2.80 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.80 - —
l.c.l., same zone prices as ammon process
Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.
Chlorate, dom., cryst., bgs c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .07 - .08¼

Check this list . . .

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ACIDS AND HEAVY CHEMICALS

Acetic Acid, Commercial and Redistilled
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Aluminum Potassium Sulfate
Aluminum Sulfate—Commercial
Ammonium Chloride
Ammonium Hydroxide—Commercial
Barium Chloride
Calcium Chloride
Carbon Tetra Chloride
Caustic Soda
Chlorosulfonic Acid
Chromic Acid
C.P. Acids and Ammonium Hydroxide
Formic Acid
Glauber's Salt (Sodium Sulfate)
Hydrofluoric Acid
Lactic Acid—Technical and Edible
Mixed Acid
Muriatic Acid
Nitric Acid
Oleum
Salt Cake
Sodium Hyposulfite
Sodium Metasilicate
Sodium Phosphate
Sodium Silicate
Sodium Sulfate
Sodium Sulfide
Sodium Sulfite, Crystal
Stannous Chloride, Crystal
Sulfuric Acid
Tetra Sodium Pyro Phosphate
Tri Sodium Phosphate
Zinc Chloride
Zinc Sulfate

SPECIALTY CHEMICALS

Fire Retardants
Sulfamic Acid
Ammonium Sulfamate
Calcium Sulfamate
Potassium Silicate
Agricultural Wetting Agents

METAL AND ORE

Indium
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Zinc Dust
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Zinc Slab
Brass Special
Intermediate and Prime Western
Zinc Anodes

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Represented in Canada by CANADIAN INDUSTRIES, LTD., General Chemicals Division, Montreal and Toronto

Sod. Chrom.—Uran. Ox.

Soda chromate, spot, c.l., works, lb. .08½- —
l.c.l., 5 cks., 10 bbls. or over, works..lb. .08¾ -
smaller quantities.....lb. .08¾- —
Citrate, U.S.P., VIII, gran. bbls., 225-lb. lots..lb. .18½- —
cns., 50-lb. lots.....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
kgs., 100-lb. lots.....lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .30
kgs., 100-lb. lots.....lb. .26 - —
powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lbs. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
import, 50%, cs.....lb. .12¾- .13¾
Cyanide, gold, 40% gold, bots., works..oz.15.85 -17.10
Diacetate, 32-35% acidity, bbls., dlvd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., f.o.b. Phila..lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
5-9, same basis.....lb. .08¼- —
1-4, same basis.....lb. .08¾- —
96%, bbls., c.l., same basis, lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .08 - —
5-9, same basis.....lb. .08¼- —
1-4, same basis.....lb. .08¾- —
Soda fluoride prices at Los Angeles are f.a.s. Phila
Glycerophosphate, N.F., cryst., bbls., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
powd., bbls., 1,000-lb. lots, lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.55 - —
Hydrosulphite, dms.....lb. .16 - .17
Hydroxide, USP, sticks, cns., 100-lb. lots..lb. .20½- .22
Hypophosphite, N.F., cns., 100-lb. lots..lb. .67 - —
Hyposulphite, cryst., large, bgs., c.l., wks., frt. equal'd.100 lbs. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., wks., frt. equal'd..100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —
pea bgs.,, c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., wks..100 lbs. 2.75 - 3.00
bbls., wks.....100 lbs. 2.95 - 3.20
dms., wks.....100 lbs. 2.35 - 3.60
2,500 to 5,000 lbs., bgs., wks..100 lbs. 2.85 - 3.10
bbls., wks.....100 lbs. 3.05 - 3.30
dms., wks.....100 lbs. 3.35 - 3.60
pea, 500 to 2,500 lbs., bgs., works..100 lbs. 3.10 - 3.25
bbls., wks.....100 lbs. 3.30 - 3.50
dms., wks.....100 lbs. 3.60 - 3.80
less than 500 lbs., bgs., wks. 100 lbs. 3.70 - 3.90
bbls., wks.....100 lbs. 3.90 - 4.15
dms., wks.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.02 - 5.07
Iodide, jars.....lb. 2.30 - —
bots.....lb. 2.41 - 2.67
Mandelate, bots., 5 lbs.....lb. 3.30 - —
fib. dms., 100-lb. lots.....lb. 3.05 - —
smaller lots.....lb. 3.15 - 3.30
Metanilate, kgs.....lb. .41 Nom.
Metasilicate, ground, dms., c.l., works..100 lbs. 3.15 - —
l.c.l., works.....100 lbs. 3.40 - —
cryst., dms., c.l.....100 lbs. 2.90 - —
gran., bbls., c.l., wks..100 lbs. 2.20 - —
Molybdate, kgs., wks.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works.....100 lbs. 2.80 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., dlvd., f.o.b. cars producing point or ports, rail or boat shipment, ton.29.00 - —
200-lb. bgs., same basis.ton.28.80 -
bulk, same basis.....ton.27.00 -
rfd., gran., bbls., 10 tons, 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.60 -
smaller lots.....100 lbs. 2.90 -
pwd., bbls., ton lots.100 lbs. 5.05 - -
smaller lots.....100 lbs. 5.90 - -
Nitrite, 96-98%, dom., bbls., c.l., wks., frt. equalized..lb. .06¾- —
c.l., West Coast, f.o.b. ports..lb. .06 - —
l.c.l.....lb. .06¾- .11½
Soda nitrite l.c.l price range represents delivery at various points.
Oxalate, neut., bbls.....lb. .09 - —
kgs.....lb. .10 - .11
Perborate, N.F., bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15¾- —
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 4.52 - —
l.c.l., works.....100 lbs. 5.51 - —
bbls., c.l., works..100 lbs. 4.75 - —
l.c.l., works.....100 lbs. 5.71 - —
cryst., tech., bgs., c.l., works..100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.35 - —
bbls., c.l., works...100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.45 - —
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.35 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works..100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works..lb. 2.00 - —
c.l., works.....100 lbs. 2.40 - —
bbls., c.l., works...100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.60 - —
kgs., c.l., works....100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.10 - —
USP (dibasic), bbls., works, lb. .09 - .11
dried, bbls., dms., works.lb. .11½- .14
Picramate, kgs.....lb. .05 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10½- —
contracts.....lb. .09 - —
smaller lots.....lb. 10¾- —
contracts.....lb. .09¾- —
Pyrophosphate, anhy., bgs., c.l., wks., frt. equal'd.100 lbs. 5.10 - —
l.c.l., same basis..100 lbs. 5.35 - 5.60
bbls., c.l., wks., frt. equalized..100 lbs. 5.30 - —
l.c.l., same basis...100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs., dlvd., N. Y....100 lbs. 1.20 - —
works.....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works.....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .52 - —
Sesquisilicate, dms., c.l., works, 100 lbs. 3.00 - —
20 dms., and up, dlvd. N.Y.C. 100 lbs. 3.05 - —
5-19 dms.....100 lbs. 4.10 - —
1-4 dms.....100 lbs. 4.30 - —
Soda silicate, 40° turbid., dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1-4, works.....100 lbs. 1.20 - —
52°, dms., c.l., works, 100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1-4, works.....100 lbs. 1.80 - —
Silicofluoride, dom., bbls....lb. .04¼ Nom.
import, bbls.....lb. .05 - .05¼
Stannate, dms.....lb. No prices
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works, 100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls.....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1-4.....100 lbs. 6.00 - —
Sulphocarbolate, cs.....lb. .27 - .28
Sulphocyanide, dms., cns.....lb. .28 - .47
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, high-flash, dms., works, frt., equald..gal. .31 - —
tanks, same basis.....gal. .28 - —
naphtha, solvent, dms., works, gal. .31 - —
tanks, E. of Omaha, frt., alld., gal. .26 - —
W. Coast, f.o.b., Minnequa, Colo..gal. .26 - —
Sorbitol, com'l, solut., dms., c.l., works..lb. .15½- —
l.c.l.....lb. .16 - —
Soybean protein, bgs., c.l., works, lb. .14¼- —
l.c.l., works.....lb. .14½- —
Sparteine sulphate, cns.....oz. 1.00 Nom.
Spearmint leaves, bls.....lb. .20 - .22
Spikenard root, bls.....lb. .20 Nom.
Spruce extract, reg., bbls., c.l., works..lb. .01⅝- —
tanks, works.....lb. .01½- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works.....lb. .01⅝- —
tanks, works.....lb. .01⅜- —
Squawvine leaves, bls.....lb. .12 - .13
Squill, red, bls.....lb. .20 - .21
white, bls.....lb. .10 - .12
powd., bbls., bxs.....lb. .17 - .20
St. Ignatius beans, bgs.....lb. .49 - .51
St. John's Bread, edible, bls., lb. .12 - .13
inedible, bls.....lb. .08½- .09
Starch, com., pearl, bgs., f.o.b., Chicago..100 lbs. 2.55 - —
dlvd., N. Y.....100 lbs. 2.90 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 2.65 - —
dlvd., N. Y.....100 lbs. 3.00 - —
Potato, dom., bgs.....lb. .06 Nom.
import, bgs.....lb. .06 Nom.
Rice, bbls.....lb. .07¼ Nom.
Wheat, thick, boli, bgs.....lb. .05¼ Nom.
Staveacre seed, bgs.....lb. .30 - .31
Stearin, oleo, bbls.....lb. .09 - .09½
Stillingia root, bls.....lb. .07½- .08
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. .48 - .49
Stramonium leaves, bls.....lb. .17 - .18
Seed, bgs.....lb. .20 - .21
Strontium bromide, fib, dms...lb. .57 - .58
kgs., 150 lbs.....lb. .55 - —
Carbonate, N.F., IV, 250-lb. bbls..lb. .30 - —
25-lb. bxs.....lb. .35 - —
100-lb. kgs.....lb. .32 - —
tech., 99-100 pc., precip., bbls., lb. .22 Nom.
Chloride, bbls.....lb. .18 Nom.
Iodide, bots., 5 lbs.....lb. 2.90 - —
jars, 25 lbs.....lb. 2.85 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over.....lb. .08¾- —
Strophanthus seed, Kombe, bgs.lb. 1.95 - 2.00
Styralyl acetate, bots.....lb. 6.75 - 7.00
Strychnine, cryst., cns., 100-oz. lots..oz. .60 - —
powd., cns., 100-oz. lots...oz. .50 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz., cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —
Glycerophosphate, 25 - oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .73 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots, oz. .40 - —
Sucrose octa-acetate, denat. grade, bbls., l.c.l., works.lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .65 - 1.05
Milk, bbls., c.l.....lb. .16 - —
l.c.l., 10 or over.....lb. .17 - —
less than 10.....lb. .18 - —
Sulfanilamide, 5 lbs., bots.....lb. 1.65 - —
fib., dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - 5.30
Sulphur, crude, f.o.b. cars, mines, contracts....long-ton.16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton.17.50 - —
ex vessels, Atlantic seaboard, contract..long ton.20.50 - —
Puget Sound, Columbia River, and British Columbia ports, bulk, contract.. tong ton.22.00 - —
flowers, bgs., c.l., works, 100 lbs. 3.00 - —
bbls., works.....100 lbs. 3.35 - —
l.c.l., bgs., works..100 lbs. 3.35 - 3.75
bbls., works.....100 lbs. 3.70 - 4.10
refined, broken, bgs., c.l., works, 100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works....100 lbs. 2.50 - 2.90
bbls., works.....100 lbs. 2.95 - 3.05
flour, ecomn'l, bgs., c.l., works..100 lbs. 1.80 - —
bbls., c.l., works..100 lbs. 1.95 - —
Sulphur, refd., flour, com'l, l.c.l., bgs. works..100 lbs. 1.95 - 1.98
bbls., works.....100 lbs. 2.30 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.35 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works....100 lbs. 2.20 - 2.60
bbls., works.....100 lbs. 2.56 - 2.90
heavy, bgs., c.l, works..100 lbs. 2.55 - —
bbls., works....100 lbs. 2.90 - —
l.c.l., bgs., works, 100 lbs. 2.90 - 2.80
bbls., works....100 lbs. 3.25 - 3.60
light, bgs., c.l., works— 100 lbs. 2.03 - —
bbls., works....100 lbs. 3.00 - —
l.c.l., bgs., works, 100 lbs. 3.00 - 3.40
bbls., works....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.15 - —
l.c.l., bbls., works..100 lbs. 2.50 - 2.90
roll, bgs., c.l.....100 lbs. 2.35 - —
bbls., works....100 lbs. 2.50 - —
l.c.l., bgs., works..100 lbs. 2.70 - 3.10
bbls., works....100 lbs. 2.85 - 3.25
rubber maker's, com'l., 99½%, c.l. frt., alld..100 lbs. 2.00 - —
bbls., same basis, c.l. 100 lbs. 2.35 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.25 - —
bbls., same basis.100 lbs. 2.70 - —
Chloride, 55-gal. dms., c.l...lb. .06 - —
l.c.l., dms., works...lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l.....lb. .08 - —
Dioxide, liq., com'l, cyls., works..lb. .07 - .08
multi-unit cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .05
refrigeration, cyls., works..lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide bots., jars.....lb. 3.90 - —
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton.83.00 - —
leaf, bls., f.a.s.....ton.90.00 - —
Extract, 42°, bbls.....lb. .06 - —
51°, bbls.....lb. .07 - —
stainless, bbls.....lb. .07½- .09¼
berries, bgs.....lb. .05½- .06
Sunflower seed, Calif., large, bgs., lb. .06½- .07
medium, bgs.....lb. .05½- .06
poultry, bgs.....lb. .04¾- .04½
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto. ton. 8.00 - —
run-of-pile, basis 16%, bulk, same basis..ton. 7.50 - —
triple, 40-48%, a.p.a. bulk, f.o.b. Balto..unit-ton. .70 - —

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Talc, dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N. Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills, ton.14.00 -16.00
l.c.l., mills.....ton.16.00 -18.00
N.Y., 96-98%, 325 c.l., mills, ton.15.00 -17.00
l.c.l., mills.....ton.17.00 -19.00
98-99½%, 325 mesh, bgs., c.l., mills..ton.15.25 -17.25
l.c.l., mills.....ton.17.25 -19.25
90.85-99.95%, 325 mesh, bgs., c.l., mills..ton.17.00 -19.00
coarse, off color, bgs. c.l mills..ton.11.00 -13.00
Ohio, flake type, grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50
Vermont, bgs., c.l., mills, ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Canad., bgs., c.l., mills....ton.11.50 -13.00
French, high-grade, bgs., l.c.l., ex whse..ton. No price
ordinary, bgs., c.l., ex dock, arrival..ton. No price
l.c.l., ex whse.....ton. No price
Italian, 1, bgs., ex dock, arrival. ton.67.00 Nom.
ex whse.....ton.87.00 Nom.
2, bgs., ex dock, arrival.ton.64.00 Nom.
Tallow, animal, edible.....lb. .06¾ Nom.
extra, loose.....lb. .06 Nom.
special, loose.....lb. .05⅝ Nom.
vegetable, ship, cs.....lb. No prices.
sulphonated, 35% (24% fat), dms., c.l..lb. No prices
l.c.l.....lb. No prices
50% (43% fat), dms., c.l., lb. No prices
l.c.l.....lb. No prices
50% (48% fat), dms., c.l..lb. No prices
l.c.l.....lb. No prices
Tamarind, W. I., bbls.....lb. .12 - .13
kegs.....keg. 8.50 - 9.00
Tankage, animal, dom., grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 3.25 & .10
unground feeding, 9-11% ammon., 15-20% b.p.l., bulk..unit-ton. 4.25 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 3.75 & .10
high-grade feeding, bulk, Chicago..unit-ton. 4.00 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f., ports, Oct. shipt., unit-ton. 4.50 & .10
Tansy leaves, bls.....lb. .23 - .24
Tapioca flour, bgs.....lb. .04½ Nom.
Tar acid oil, 15%, dms., c.l., works..gal. .21 - —
l.c.l., same basis.....gal. .23 - —
25%, dms., c.l., works....gal. .25 - —
l.c.l., same basis.....gal. .27 - —
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .26 - —
ports.....gal. .25 - —
l.c.l.....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
Tarragon herb, bgs.....lb. .60 - .65
Tartar emetic, tech., fine gran., bbls., 5 or more..lb. .29¾- —
less than 5.....lb. .30 - —
powd., bbls., 5 or more..lb. .29¾- —
less than 5.....lb. .30 - —
USP, powd., bbls.....lb. .35 - —
Terebene, cans.....lb. .70 - .75
Terpinyl acetate, cns.....lb. .77 - .80
Terpin hydrate, kgs.....lb. .60 - .65
Terpineol, CP, cns.....lb. .28 - —
dms.....lb. .25 - —
Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks..lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .12 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine, cns.....lb. 2.10 Nom.
Sodiosalicylate, cns.....lb. 1.85 - —
dms.....lb. 1.70 - —
5-lb. bots.....lb. 2.01 - —
Thiocarbanilide, dms.....lb. .24 - —
Thorium, nitrate, cs., works..lb. 2.00 - —
Thyme, French, bls.....lb. .20 - .22
Thymol, dms., 100 lbs.....lb. 1.50 - —
cns., 25 lbs.....lb. 1.55 - 1.60
Iodide, kgs., 50 lbs.....lb. 3.25 - 3.30
25 lbs.....lb. 3.25 - 3.40
Timbo root, powd., 4% rotenone, bbls..lb. .18 - .26
7% rotenone, bbls.....lb. .22 - 30
Tin chloride (ous), anhyd.....lb. No prices
Crystals, bbls., kgs.....lb. No prices
Metals, Straits.....lb. .55 - —
Oxide, bbls.....lb. No prices
Tetrachloride, anhyd., bbls.lb. .27 - —
Titanium, dioxide, bgs., c.l. (20 tons), frt. pd..lb. .13 - —
l.c.l., 5 tons, E. frt. pd. lb. .13¼- —
Pac. Cst., ex whse..lb. .13½- —
1,000-9,999 lbs., E. frt. pd. lb. .13½ - —
Pac. Cst., ex whse..lb. .13½- —
50-999 lbs., E. frt. pd. lb. .13¾- —
Pac. Cst., ex whse..lb. .13¾- —
under 50 lbs., E. frt. pd..lb. .16 - —
Pac. Cst., ex whse..lb. .16 - —
bbls., c.l. (20 tons), frt. pd lb. .13¼- —
l.c.l., 5 tons, E. frt. pd. lb. .13½- —
Pac. Cst., ex whse....lb. .13½- —
1,000-9,999 lbs., E. frt. pd. lb. .13¾- —
Pac. Cst., ex whse....lb. .13¾- —
50-999 lbs., E. frt. pd....lb. .14 - —
Pac. Cst., ex whse....lb. .14 - —
chalk-resistant, bgs., c.l., (20 tons), frt. pd..lb. .16 - —
l.c.l., 5 tons, frt. pd....lb. .16½- —
1,000-9,999 lbs., frt. pd.lb. .16½- —
50-999 lbs., frt. pd....lb. .16¾- —
Under 50 lbs., frt. pd..lb. .19 - —
bbls., c.l. (20 tons), frt. pd. lb. .16¼- —
l.c.l., 5 tons, E. frt. pd..lb. .16½- —
Pac. Cst., ex whse..lb. .16½- —
1,000-9,999 lbs., E. frt. pd..lb. .16¾- —
Pac. Cst., ex whse..lb. .16¾- —
50-999 lbs., E. frt. pd., lb. .17 - —
Pac. Cst., ex whse..lb. .17 - —
barium, calcium, or magnesium base, c.l., D. frt. alld., lb. .05¼- —
l.c.l., dlvd.....lb. .05½- —
Pac. Cst., ex whse..lb. .05½- —
under 50 lbs., E. dlvd.lb. .06¼- —
bbls., c.l., D., frt. alld..lb. .05½- —
l.c.l., E., dlvd.....lb. .05¾- —
Pac. Cst., ex whse....lb. .05¾- —
under 50 lbs., E. dlvd.lb. .06¼- —
Tolidin base, distilled, kgs....lb. .86 - —
Tolu, balsam, cns.....lb. .50 - .52
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), pure, dms., works..gal. .27 - —
tanks, E. of Omaha, frt. alld. gal. .22 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .22 - —
Nitration, dms., wks.....gal. .28¼- —
tanks, E. of Omaha, frt. alld. gal. .23½- —
Tonga vine, ..F, bls.....lb. .55 - .60
root, bls.....lb. .57 - .62
Tonka beans, Angostura, cks..lb. 2.35 - 2.40
Brazilian, Surinam, cs.....lb. 1.00 - 1.10
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works..lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works.....lb. .78 - .80
tanks.....lb. .75 - —
Tributylamine, dms., c.l., works, lb. .67 - —
l.c.l.....lb. .68 - .70
tanks.....lb. .65 - —
Tributyl citrate, dms., l.c.l., dlvd..lb. .35 - —
Phosphate, dms., l.c.l., dlvd., lb. .42 - —
cns., works.....lb. .46 - .48
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are ft. alld. with the exception of Zone 4 in which case the prices indicated are based on f.o.b. L. A., Cal., S. F., Cal., Portland, Ore., and Seattle, Wash. Zone 1, includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb., Kansas City, Kansas. Zone 2, includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha, S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3, includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4, includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., dlvd..lb. .40½- .51⅛
dms., c.l., dlvd.....lb. .34½- —
500 lbs., dlvd.....lb. .37½- —
tech., dms., c.l.....lb. .22 - —
500 lbs., dms.....lb. .22½- —
less than 500 lbs....lb. .25½- .36⅛
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works, ton.16.00 - —
once-grd., bgs., c.l., works..ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal, powd., 99%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem. grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .09½ Nom.
Madras, bgs.....lb. .11 Nom.
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .32½- —
l.c.l., 10 ex dock.....gal. .34½- —
5 ex dock.....gal. .36½- —
wood dest., dist., dms., dlvd. E. cities, ports..gal. .23 - .25
tanks, dlvd. E. cities...gal. .19 - —
steam-dist., dms., c.l., dlvd.gal. .29 - —
l.c.l., dlvd.....gal. .32 - —
tanks, dlvd.....gal. .24 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, kgs....lb. 2.65 - —
yellow, kgs.....lb. 1.75 - —

Urea, dom., 46 + % N. bgs., 5 tons, f.o.b. Atl. ports or Belle, W. Va..ton.95.00 - —
smaller lots, f.o.b. Bel'e, W. Va..ton.95.00 - —
f.o.b. N. Y.....ton.101.00 - —
import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt..ton.95.00 - —
smaller lots, f.o.b. N. Y. from whse..ton.101.00 - —
pure, cs. .....lb. .14½- .15½
Urea-ammonia liquor, nitrogen basis, tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports, ton.121.58 - —
Urea nitrogen, dom., 42% N_2 bulk, Oct. shipt., f.o.b. Belle, W. Va..ton.55.90 - —
imported, 40% N_2, bgs., Oct. shipt..ton.54.75 - —
30% N_2, bgs., Oct. shipt. ton.41.50 - —
Uva ursi leaves, bls.....lb. .11 - .12

V

Valerian root, bls.....lb. .27 - .29
Valonia, beards, bgs., f.a.s..ton.54.00 Nom.
Cups, bgs., shipt., f.a.s...ton. 33.00 -37.00
extract, powdered, 63%.....ton. .0565 Nom.
Vanilla beans, Bourbon, tins..lb. 6.50 - 7.00
Mexican, tins.....lb. 6.50 - 7.00
cuts, tins.....lb. 6.00 - 6.25
South American, tins.....lb. 6.00 - 6.25
oleoresin, bots.....lb.18.00 -19.00
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs....lb. .42 - .44
Verdigris, bbls., kgs.....lb. .22 - .23
Vinyl acetate, cns., works....lb. .25 - —
dms., c.l., 30,000 lbs., gross works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha v.m.p.).

W

Wahoo bark, bls.....lb. .45 - .46
tree .....lb. .19 - .22
Wattle bark, bgs., f.a.s.....ton.34.50 -38.50
Extract, solid, bgs.....lb. .04¼- —
Wax, bayberry, import, bgs...lb. No prices
Bees, white, bleach, slabs, cs., 5 case lots..lb. .37½- —
1 cs., lots.....lb. .38 - —
cakes, 5 cs., lots.....lb. .38½- —
1 cs., lots.....lb. .39 - —
discs, 5 cs., lots.....lb. .39½- —
1 cs., lots.....lb. .40 - —
yellow, crude, Africa, bgs., lots of 10..lb. .30 Nom.
1 bg.....lb. .30½ Nom.
Wax, bees, yellow, crude, Brazil, bgs., 5-10 ton lots..lb. .33 Nom.
1 ton.....lb. .33½ Nom.
500 lbs.....lb. .34 Nom.
100 lbs.....lb. .34½ Nom.
refd., slabs, cs., lbs.....lb. .30 - .35
Candelilla, bgs., 1 ton.....lb. .18 - .19
jobbing lots.....lb. .18½- .19½
Carnauba, No. 3 chalky, bgs., bgs., 1 ton..lb. .40 Nom.
5 bgs.....lb. .40½ Nom.
1 bg.....lb. .41 Nom.
N. C., 2, bgs.....lb. No prices
N. C., 3, bgs, 1 ton.....lb. .42 Nom.
5 bgs.....lb. .42½ Nom.
1 bg.....lb. .43 Nom.
refined, bgs.....lb. .42 Nom.
yellow, No. 1 bgs., 1 ton..lb. No prices
5 bgs.....lb. No prices
1 bg.....lb. No prices
No. 2, bgs.....lb. No prices
Ceresin, dom., 138°-140°, m.p., bgs., 1 ton..lb. .09 - —
jobbing lots.....lb. .10 - —
150°-160° m.p., bgs., 1 ton..lb. .10½- —
jobbing lots.....lb. .11½- —
160° m.p., bgs., 1 ton.....lb. .11½- —
jobbing lots.....lb. .12½- —
Japan, cs.....lb. .17½ Nom.
Montan, bgs., c.l.....lb. No prices
5 tons.....lb. No prices
less than 1 ton.....lb. No prices
Ozokerite, hard, green, congeal, p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
snow-white, pure 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P.).
Spermaceti, blocks, cs.....lb. .22 - .23
cakes, cs.....lb. .23 - .24
White lead (see Lead, white).
White pine bark, rossed, bls...lb. .07 - .08
White precipitate, powd., 5-lb. bots..lb. 2.59 - —
dms., 50 lbs. or more....lb. 2.46 - —
Whiting, chalk, com'l., dry-grd., blp. bgs., c.l., works..ton.12.00 - —
l.c.l., works.....ton.14.00 - —
bbls., c.l., works.....ton.15.00 -16.50
l.c.l., works.....ton.17.00 - —
pap. bgs., c.l., works..ton.11.20 -13.50
l.c.l., works.....ton.13.20 -14.50
wet-grnd., blp., bgs., c.l., works..ton.14.50 -15.00
l.c.l., works.....ton.15.00 -19.00
bbls., c.l., works.....ton.17.00 -18.00
gilder's bolted, blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -19.50
l.c.l., works.....ton.19.00 -20.00
pap. bgs., c.l., works..ton.14.60 -15.50
l.c.l., works.....ton.15.60 -16.50
extra bolted, blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -22.50
l.c.l., works.....ton.19.00 -22.00
pap. bgs., c.l., works..ton.14.60 -17.50
l.c.l., works.....ton.15.60 -18.50
Paris, white, blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.60 -24.00
l.c.l., works.....ton.19.00 -25.00
pap. bgs., c.l., works..ton.14.60 -20.00
l.c.l., works.....ton.15.60 -21.50
Whiting, English cliffstone, (see Whiting, chalk, Paris white).
Limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l..ton. 9.65 - —
200 mesh, paper bgs., c.l., same basis..ton. 8.60 - —
90% 200 mesh, paper bgs., c.l., same basis.....ton. 6.25 - —
gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra bgs. (extra), c.l., works. ton.12.50
extra, bgs., l.c.l., 8-20 tons, works..ton.13.50 - —
4-8 tons, works....ton.14.50 -
2-4 tons, works....ton.15.50 -
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.00 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 ton, works..ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
precipitated, bgs., c.l., works. ton.15.00 - —
l.c.l., 5 tons, works.....ton.20.00 - —
smaller lots, works....ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .07 - .08
rossed, bls.....lb. .05 - .06
thin, natural, bls.....lb. .09 - .10
rossed, green, bls.....lb. .07 - .08
Wild Indigo root, bgs.....lb. .13 - .14
Witch-hazel extract, dist., NF bbls..gal. .40 - .45
Leaves, bls.....lb. .07 - .08
Witherite (see Barium carbonate, natural).
Woodflour, dom., fine, bgs., extra, c.l., works..ton.25.00 - —
standard, bgs., c.l., works, ton.20.00 - —
import, 70 mesh, bgs., ex dock, ton.23.00 Nom.
80 mesh, bgs., ex dock....ton.25.50 Nom.
100 mesh, bgs., ex dock...ton.28.50 Nom.
120 mesh, bgs., ex dock...ton.31.00 Nom.
Wormseed, American, bgs.....lb. .10 - .11
Levant, bgs.....lb. 5.00 - 6.00
Wormwood, bls.....lb. .15 - .16

X

Xylol (xylene), indus., dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
dms., W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
nitration, dms., works.....gal. .42 - —
tanks, E. of Omaha, frt. alld., gal. .28 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .23 - —
8°, dms., works.....gal. .27 - —
tanks, E. of Omaha, frt., alld., gal. .23 - —
10°, dms., works.....gal. .24 - —
tanks, E. of Omaha, frt. alld., gal. .20 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.35 - 1.90
Yellow, cadmium, CP, import., bxs..lb. 1.35 - 1.70
lithopone, all shades, bbls. 1 ton, works, frt. alld..lb. .50 - —
smaller lots, same basis..lb. .55 - —
kgs., ton lots, same basis, lb. .55 - —
smaller lots, same basis, lb. .60 - —
Sulphide, orange, bbls., works, lb. .75 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts....lb. .14½- —
open order ....lb. .15½- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1½c.; El Paso, 3c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.27 - —
primrose shade, bbls., same basis, chrome..lb. 1.73 - —
Mercury oxide (see M).
Ocher, Amer., golden, A, bbls., works..lb. .03½- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .05½- —
yellow, A, bbls., works...lb. .02½- —
A, bbls., works.....lb. .03½- —
C, bbls., works.....lb. .03 - —
D, bbls., works.....lb. .0150 - —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01½- —
H, bbls., works.....lb. .01½ -
French, all shades, cks., c.l., ex dock Balto, Boston, N. Orleans, for import, lb. .02475- —
New York (f.o.b.)..lb. .03½- —
Philadelphia for import..lb. .02½- —
ex dock, San Pedro, San Francisco..lb. .0280- —
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .0325 -
New York .....lb. .03½ -
ex-dock Phila., for import..lb. .03½ -
Portland, Seattle...lb. .03½- —
San Pedro, S. Francisco..lb. .03 -
ex whse., Balto., Boston, N. Orleans..lb. .0375- -
Chicago, E. St. Louis, Indianapolis, Kan. City, Milwaukee, St. Louis .....lb. .03½- —
New York.....lb. .03½- —

—Continued on page 32

CERCON WAXES
Announce
NEW HIGH MELTING POINTS

★ Effective at once, Cercon Waxes will be available in two new melting points—155°/160° F. and 170°/175° F. These are in addition to the present 140°/145° F. Series. ★ These new series will include all the standard Cercon colors—Snowdrift, Lemon, Orange, Tangerine, Apricot, and Olive. ★ These increases in melting points widen the uses of these fine inexpensive waxes. We suggest that you write for a sample right now and find out if they cannot reduce your wax costs.

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WARREN, PENNSYLVANIA

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How Important Is 6 Percent

Foreign trade is a fascinating enterprise. It is also a puzzling one, ramifying into all the intricacies of economics and presenting examples of the folly of disregarding its peculiarities. This all was brought out in the foreign trade conference in this city last week. But, it is to be doubted that explanations and examples will have any substantial effect on the processes of foreign traders.

In today's particular puzzle of foreign trade, with imports unnaturally curtailed and the promise of exports looming large, it is well to look to fundamentals. Among these none is more important than the axiom that foreign trade must flow in both directions. This is what poses now the question that would-be exporters must answer:—What can foreign buyers use for money? This is a bigger question than safety of the seas or scarcity of supplies. It requires that imports be built up collaterally with exports, and that is something which does not sit well in the councils of American industry as a whole.

There is a crying need for some ably qualified body to endeavor to work out a balancing of necessary United States imports and potential United States exports. Judged by performances, the tariff bargain system falls short of achieving this. The reason is a simple one: what the United States chiefly needs the prospective, eager foreign customers do not have in adequate supply; and what these traders most desire to sell is in large part abundantly supplied from domestic sources. Reciprocal trading is necessary; but no reciprocating forces will function satisfactorily if one of them must be overloaded in operation.

Export trade is considered by many to be essential to the proper development of the national economy. In view of the fact that the average value of export business is about 6 percent of that of the total business of American industries, this essential is one of those small, but often important ones. Its importance to American industry as a whole is overrated by those particular industries which find it necessary for their existence on the scale to which they have pleasantly become accustomed. But, the whole is greater than any of its parts—and 6 percent is a very small portion.

Construction Opportunities

Consideration of opportunities for further acceleration of construction in the recuperation of conditions in that important division of business will feature a construction industry conference under the auspices of the Chamber of Commerce of the United States next month. It is greatly to be desired that this consideration be broadly analytical; because some rather unpleasant truths, historical and current, must be faced if the much-heralded desideratum—the influx of private capital into construction channels—is to be effected.

Assumably the conference intends to dig beneath the surface, and to endeavor seriously to determine whether apathy, or antipathy, or external restraint is responsible for the lack of investment interest in construction. One of the agenda of the conference is an appraisal of recent criticism of the construction industry. Whether this will eventuate as a trying out of court of the governmental actions under the anti-trust laws is wholly conjectural. But, it must be recognized that something other than adverse political theories has been at work since before the ill-fated building boom of more than a decade ago, and that the memories of that boom are still painful in more than a few places.

Analysis of opportunities in the construction industry will uncover much useful truth. It will not effect practical use of this truth; for only an acceptance of somewhat revolutionary fundamentals in economics can inspire capital to devote itself to the real need in the construction field—the providing of renting housing at a cost sufficiently low to avoid defeat of the very purpose. It probably will be necessary to admit that this cannot be done on high-taxed, hence high-valued, land in congested centers. So, the solution of the housing problem of the construction industry reaches into other problems, such as decentralization of industry and development of transportation. The construction industry is no less amenable than any other to a variety of economic influences.

There is opportunity in the construction industry; although its measure is not that of the more than $2,000,000,000 which represents the decline in contract construction's contribution to the national income between 1929 and 1938. Much of that $2,000,000,000 opportunity fortunately cannot be revived. But, there is other and better and just as big opportunity for the industry if in frank conference it will but devise a means of doing what needs to be done.

—O-P-D—

Paint Prices

Whatever may be the justification for advances made during the past few months in prices of industrial materials, manufacturing consumers of the higher-priced materials face a condition, not a theory, with respect to the question of changing their prices to the consumer. There is no profiteering in advancing prices to meet concrete and unavoidable, higher costs.

This condition of higher-priced materials is particularly serious for the manufacturer of paints. And it must be said sincerely that the higher costs which have come to him have been, with very few exceptions, fully justified by conditions in respect of materials. The paint manufacturer has also had his share of the higher costs caused by the wage-and-hour law, not because this has forced him to pay a higher wage, but because of the additional employment necessitated by even the slight shortening of the workweek. As the minimum wage will be increased next week, and the workweek further shortened, this item of cost will expand.

It is notable that paint manufacturers have not increased the price of their finished products, except in certain few instances of industrial finishes necessarily sold at very close margins. Prices of paint oils have been advanced from a little more than 10 percent to as much as 45 percent since July 1; and the materials cost of a typical mixed paint has been increased at least 15 percent. Paint is not a long-profit article of commerce, and an advance of 15 percent in the manufacturer's cost is sufficient to wipe out a very large part of his gross margin. He is fully justified at this time in advancing his selling price, and when higher wages and a shorter workweek become mandatory next week, the consumer's advantage in the manufacturer's having covered his current needs at less than nearby replacement costs cannot reasonably be expected to last.

Anticipation of increased replacement cost of materials always presents a difficult problem for a manufacturer of goods for public consumption. Economic theory and practical procedure must derive differently from this source, because it is not practicable to make adjustments in consumer prices throughout widespread and varied distribution in prompt keeping with either advances or reductions in materials costs. If they are made on the rise more promptly or more completely than on the fall, there arises a charge of profiteering. If the condition is reversed, distributors howl—and the manufacturer is certain to lose money. So a time factor is usually introduced. In respect of paints at this time, this factor cannot be definitely determined because of the uncertainty of nearby or eventual trends in materials prices.

So, paint manufacturers are awaiting events. They have clear justification for advancing the prices of their products; they are but postponing the apparently inevitable. Unless conditions show a different trend shortly—there is some evidence of this now, but it may be only temporary—paint prices will be higher.

—O-P-D—

Aimed at Understanding

Something of an innovation will be introduced in this year's meeting of the National Paint, Varnish and Lacquer Association as a technical forum occupying two of the six half-day sessions. This will carry the functioning of the production division of the industry into the arena of its general affairs. And that will be good.

As usual the selling side will get a goodly share of attention—and it needs it — but, in spite of its technical progress, the paint industry as a whole, in common with every other industry, can profit from broader consideration of its productive functioning. The better the goods, the easier it is to sell them.

It will not belittle, but in fact will enhance the value of the continuous good work of the Federation of Paint and Varnish Production Clubs to have the technical side of the industry get the more direct consideration of the selling side and of general management which the technical forum will afford. The plan will make for better understanding all around, and for that coordination which is essential to satisfactory operating and gratifying progress.

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Heavy Chemicals

Business Remains Steady But Trading Along More Normal Lines —Manganese Sulphate Advanced — Strontium Salts Higher —Soda Antimoniate Reduced—Copper Carbonate Firmer

Transactions in the market for heavy chemicals remained steady last week. Trading, however, gave further evidence of returning to normal, with much of the hysteria of the preceding month eliminated. Some reports were to the effect that volume has subsided, while others point to business making a comparatively good showing with the preceding month. Industrial activity has no indication of slackening, with operations in the steel, automotive, glass, paper, textile and other important consuming channels registering further gains. Price changes were confined principally to imported materials, metal derivatives and products whose raw materials originated abroad.

The position of many chemicals was very strong, and could be traced to the unusually heavy bookings during the past several weeks. Spot stocks of potash carbonate and caustic were negligible and sellers were adhering to the policy of supplying regular consumers against existing contracts. Reserved selling policy was followed in such materials as sal ammoniac, antimony oxide, bleaching powder, blue vitriol, copperas, lead nitrate, potash permanganate and the alkalies.

No further information was forthcoming on next year's prices. Sellers were not looking forward to any unusual advances, except in cases where increased raw material and operating costs would reflect in moderate advances to compensate for the additional expenditures.

Alums.—Prices for various alums remained firm. Shipments of ammonia, potash and alumina sulphate commercial and iron-free were moving steadily to various consuming trades.

Ammonia, Anhydrous.—Tank prices for the commercial grade have already been announced for the first quarter of next year at the same level. Trade was awaiting release of the cylinder schedule within the next few weeks. August exports totaled 348,450 pounds, valued at $36,131.

Ammonia, Aqua.—Shipments moved at a good pace during the past week. As announced the previous week, a leading producer has released tank prices at the old level for next year, subject to quarterly adjustment. No further change occurred in the drum and carboy prices.

Ammonia Silicofluoride.—Prices were entirely withdrawn for the imported material in the absence of any shipments from abroad.

Sal Ammoniac.—The market fully maintained its strong position. Demand was more than adequate to take care of available domestic production, and sellers were cautious in booking all inquiries. Prices ruled firm.

Antimony.—Domestic spot price was unchanged at 14c. per pound. Business was confined to small case lots as a rule last week.

Antimony Oxide.—Supplies of material remained scarce and the market was entirely a nominal affair. Sellers were accepting only regular contract orders as a rule.

Barium Salts.—While no specific price changes occurred in the market for various barium derivatives, most quotations were nominal or very firm. Sellers usually limited withdrawals to necessary requirements.

Bleaching Powder.—The market was quite firm, sellers have been supplying the heavy demand from export and domestic channels and as a result stocks were none too plentiful. No announcement was forthcoming as yet regarding next year's prices.

Blue Vitriol.—Sellers continued to pursue a reserved selling policy, since the heavy withdrawals have depleted stocks considerably. Prices were unchanged and firm at the levels established the previous period. August exports were 1,938,000 pounds, valued at $67,178, of which 1,220,000 pounds went to Honduras.

Calcium Chloride.—Inquiries entered the market on a good scale, and actual shipments commenced to move to dealers and municipalities for ice control work. Other miscellaneous demand remained steady. Prices ruled unchanged.

Carbon Bisulphide. — Withdrawals against contract for solvent purposes was fairly active last week. Price-wise a firm tone predominated. August exports totaled 331,539 pounds, valued at $16,630, of which 264,292 pounds went to Canada.

Chlorine. — Movement to the paper trade, textile and other large industrial consuming channels was reported as quite satisfactory last week. A firm price tone prevailed. August exports amounted to 1,206,606 pounds, valued at $24,325, of which 1,103,440 pounds went to Canada.

Copper. — Quiet conditions prevailed in the domestic copper market, and price held at the 12½c. per pound level. Business in the outside and resale market was around the 12½c. per pound basis. Export price was nominal between 12.50c. to 12.60c. per pound. Consumers apparently were pretty well supplied with copper for the present and some caution was noted in buying for early next year in view of the possibility that the reciprocal trade agreement with Chile may lead to a reduction in the duty on copper from that country.

Copper Salts.—Nominal prices prevailed in practically all derivatives, the carbonate was advanced to 16.90c. per pound and was nominal. The chloride advanced to 18c. per pound nominal.

Copperas. — The market was sold ahead based on current production, and sellers endeavored to take care of regular contract consumers, accepting little or no new business. Prices were firm.

Fluorspar.—Demand remained active, and the position of the market was firm. Domestic prices held at the levels reported previously. Imported prices were strictly nominal.

Glauber's Salt. — Shipments against contracts were steady. No change occurred in the quotations, and the market was firm.

Lead Nitrate.—Sellers were booked ahead on current production, and were still cautious in accepting any new business. Prices were firm.

Magnesia Silicofluoride. — Quotations were 1c. per pound higher ranging from 11c. to 11½c. per pound, according to quantity. Demand was steady.

Manganese Sulphate. — The market for anhydrous grade advanced 1c. per pound. Quotations for ton lots at the works were 8c. to 8½c. per pound; single drums, works, 8¼c. to 8¾c. per pound.

Nickel Salts.—Firm prices prevailed in the market last week. Shipments moved at a good pace to the plating trade and other consuming channels.

Potash Carbonate.—Conditions in the market underwent relatively little change. Sellers were virtually sold ahead on current production, and little

Price Changes

Prices were changed during the past week as follows:—

Advanced

Copper carbonate, 4/10c. per lb.
chloride, 2c. per lb.
Magnesia silicofluoride, 1c. per lb.
Manganese sulphate, anhy., 1c. per lb.
Strontium carbonate, tech., 1c. per lb.
chloride, 3c. per lb.

Reduced

Soda antimoniate, 1c. per lb.
Soda silicofluoride, imp., ¼c. per lb.
Tin, Straits, ½c. per lb.
tetrachloride, anhy., ½c. per lb.

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
149.3	149.3	148.7	147.2

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
99.0	99.0	99.6	99.6

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

spot business was transacted. Prices held firm. August imports totaled 30,200 pounds, valued at $1,503, 22,853 pounds came from the Netherlands and 6,614 pounds from Germany.

Potash Caustic.—The market remained in a very firm position. Sellers were only able to take care of regular contract consumers as a rule. Prices ruled unchanged, and firm. August imports were 8,165 pounds, valued at $1,836, of which 7,614 pounds came from Sweden.

Potash Chlorate.—Spot stocks were negligible. Sellers had difficulty meeting demands for material, and were awaiting shipments from abroad. The market was entirely nominal, although some scattered business was reported at 35c. to 45c. per pound. August imports aggregated 379,178 pounds, valued at $17,975, of which 273,840 pounds came from Switzerland; 44,092 pounds from Japan; 39,200 pounds from France and 22,046 pounds from Germany.

Potash Permanganate.—The market was well sold ahead, sellers were pushed to supply regular contract consumers, and very little new business was accepted. Quotations held unchanged.

Soda Antimoniate.—Some factors were booking business 1c. per pound lower, ranging from 15c. per pound in car lots to 15½c. per pound in less car lots.

Soda Ash.—Demand remained fairly active in the market last week. Sellers were able to handle most of the business, with few exceptions. However, some discrimination was made in acception all new business and export inquiries. Prices were firm. August exports totaled 9,288,600 pounds, valued at $112,947.

Soda Bicarbonate.—Interest in the market remained steady. Prices ruled unchanged and firm. August exports aggregated 2,151,812 pounds, valued at $32,870.

Soda Caustic.—Shipments continued to move at a good pace. Sellers were in receipt of numerous inquiries, but were exercising caution in accepting all business. The position of the market was strong and prices firm. August exports were 16,372,465 pounds, valued at $333,097.

Soda Cyanide.—Volume held at good levels during the past week. The call came for case hardening and electroplating purposes quite steadily. No change was disclosed in the quotations. August exports amounted to 85,299 pounds, valued at $10,629.

Soda Phosphate.—A steady demand remained in evidence, although not quite as active as the preceding month. Export inquiries were still flooding the market. Prices ruled firm. August exports totaled 899,880 pounds, valued at $38,379.

Soda Silicate. — Shipments moved against contracts at a good pace last week. Sellers were adhering to quotations in force previously. August exports aggregated 442,133 pounds, valued at $22,049.

Soda Silicofluoride.—Demand continued brisk in the market. Domestic quotations were nominal. Imported prices ranged from 5c. to 5¼c. per pound.

Strontium Salts.—The technical carbonate was nominal and higher at 22c. per pound; chloride was advanced to 18c. per pound, but the market was still nominal. No change occurred in the nitrate.

Sulphur, Refined.—More normal conditions prevailed in the market. Sellers were able to supply increased requirements of regular consumers. Demand for export remained active. Prices were firm.

Tin Salts. — Anhydrous tetrachloride of tin declined ½c. to 27c. per pound, reflecting the decline in the Straits metal to 55c. per pound basis. No quotations were available as yet for tin crystals, tin oxide and anhydrous stannous chloride of tin. The International Tin Committee fixed third quarter quota at 120 percent, an advance of 20 points. The quota for the fourth quarter was advanced from 60 percent to 70 percent.

Zinc Sulphate.—Firm conditions prevailed in the market during the past week. Shipments moved against contracts at a satisfactory pace, and sellers were still cautious in accepting new business.

Acids

Business in the market for various acids remained steady last week. Trading in practically all materials was reported as more orderly, while inquiries reached the market from domestic and export sources, the number was not nearly as large as recent weeks. Most consumers were content to take normal requirements against contracts, although these requirements have shown an increase in view of the expansion in most consuming lines. Firmness characterized the market as far as prices were concerned, and no changes were recorded.

Acetic.—A steady to firm price tone prevailed in the market. A good buying interest was evident in most directions. Exports during August totaled 4,724 pounds, valued at $604.

Chromic. — Shipments continued to move satisfactorily to the plating trade and other miscellaneous consuming channels. Prices were firm.

Formic.—Withdrawals against contracts to the leather and textile trade provided the market with adequate support. Prices were unchanged.

Gallic.—The market for the technical grade was nominal. Future trend of prices would have to be determined on replacement costs from time to time.

Muriatic.—Interest in the market remained along broader lines during the past week. Pricewise no change transpired. August exports aggregated 240,277 pounds, valued at $5,198, of which 135,800 pounds went to Cuba.

Nitric.—An active inquiry still prevailed in this direction, and shipments were steady. No change occurred in the quotations.

Oxalic.—A good demand for moderate quantities was the rule in the market last week. Export inquiries were still coming into the market. August imports were 24,805 pounds, valued at $1,004, all of which came from Germany.

Sulphuric.—The market gave further evidence of returning to a more normal state last week. Sellers were not deluged with as many inquiries, but actual business against contracts entered the market on a satisfactory scale. The increase in basic consuming operations reflected in larger commitments in the majority of instances. Prices were firm. Statistics based on data reported by 56 fertilizer manufacturers, released by the Department of Commerce shows production during August amounted to 161,791 tons, against 139,248 tons in July and 131,106 tons in August, 1938. For the first eight months production aggregated 1,264,317 tons, compared with 1,134,339 tons in the like period a year ago. Consumption by reporting manufacturers in August totaled 115,119 tons, against 104,378 tons in July and 128,312 tons in the same month a year ago. For the first eight months consumption was 946,921 tons, compared with 954,921 tons in the like period a year ago. Stocks on hand at the end of August were 72,536 tons, against 79,786 tons in July and 85,787 tons in August a year ago.

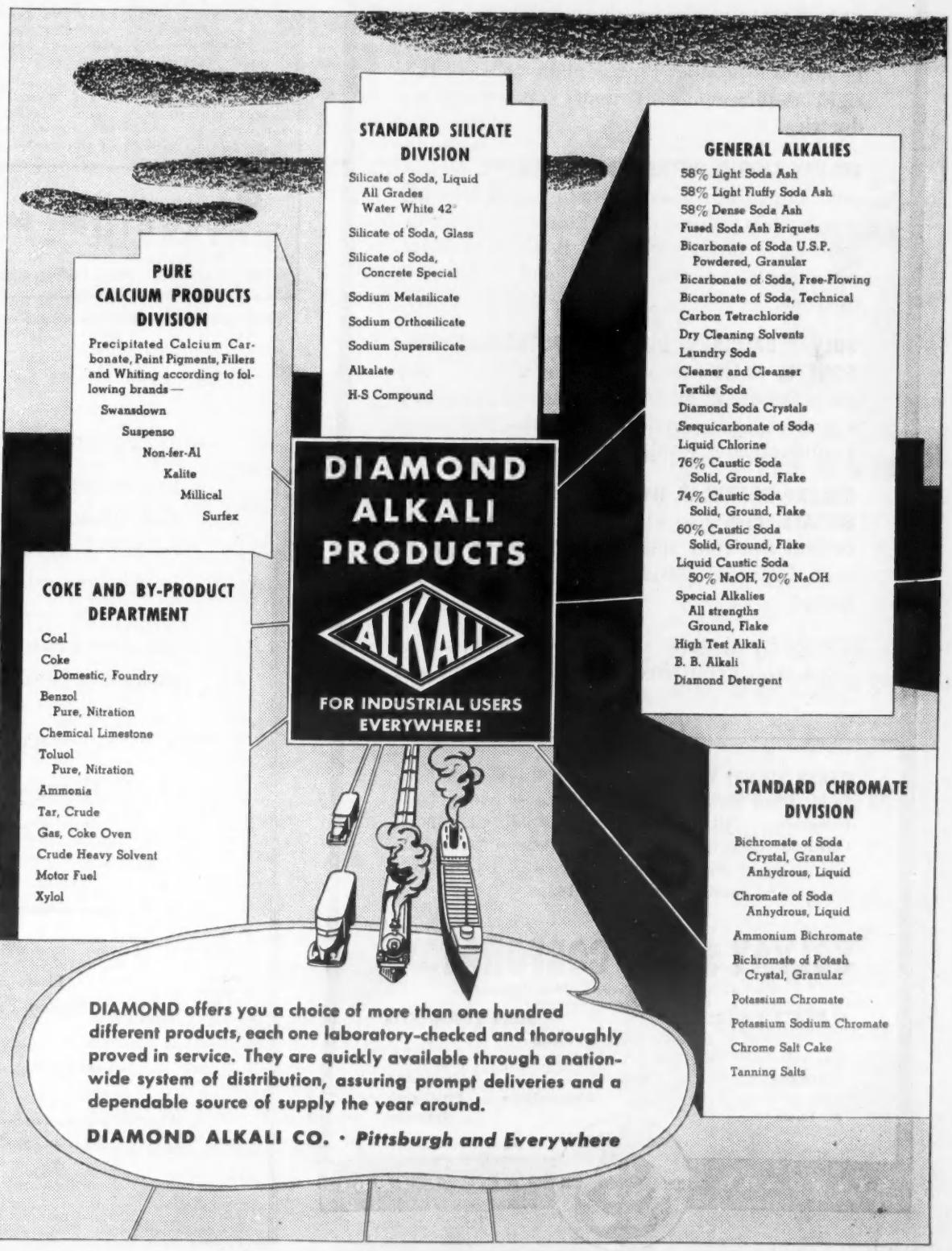
Baltimore, Oct. 10.—The market for sulphuric acid is in about the same state as it was a week ago, with the producers holding back on actual quotations and making contracts during the between season period at any figure which may be agreed upon. As the end of the year approaches, however, the situation may be different. Producers intimate that when the time comes for the closing of orders for the requirements of the next year a definite marking up of the price level will be made. Meanwhile, users of acid will continue to enter into arrangements to take care of the more immediate needs on such figures as they can, with the producers for the most part bound by the contracts now in force. Much the same state of affairs prevails with regard to oleum, which has been held at $17 per ton for 20 percent supplies, both pyrites and brimstone.

Insecticides

No important developments took place in the market for agricultural insecticides and fungicides last week. Demand was experiencing further tapering off in most directions, but a seasonal upswing in exports was underway. The market lacked any price revisions, and quotations were generally steady to firm.

Factories have been established during the last few years for the manufacture of insecticides and disinfectants in Palestine, particularly those used in citriculture. It has been estimated that from 25 to 40 percent of the domestic requirements for agriculture insecticides are now supplied by local manufacturers. Recent trade statistics in-

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7



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dicate that Palestine products are entering export channels on a modest scale.

Calcium Arsenate. — Movement of material tapered off in most directions during the past week. Prices were the same. August exports totaled 193,990 pounds, valued at $10,092, of which 142,836 pounds went to Mexico.

Lead Arsenate.—A firm price tone continued to characterize the trading in the market last week. Business was seasonally dull. August exports were 107,723 pounds, valued at $8,796, of which 41,904 pounds went to New Zealand; 20,016 pounds to the Union of South Africa and 22,400 pounds to Argentina.

Nicotine Sulphate.—Quiet conditions surrounded dealings in the market. No change was reported in the quotations. August exports amounted to 63,846 pounds, valued at $23,942, of which 30,000 pounds went to the Union of South Africa; 9,916 pounds to Australia; 8,075 pounds to New Zealand and 8,940 pounds to Canada.

Mexico Revises Export Tax Valuation Collection Schedule

A new schedule of valuations for the collection of the additional export tax of 12 percent, completely revised the former classifications and changed the valuations on a number of products, according to a report from the office of the American commercial attache in Mexico City. The new schedule follows the decimal system of classification, recently adopted in Mexico for the export tariff schedule. A number of changes were made in the valuations of metals and metallic compounds, and petroleum products.

Charles A. Buerk, of the Buffalo Electro-Chemical, has been named chairman of the membership committee of the Buffalo Chamber of Commerce.

Cleansers and Polishes Described by B.of S.

OPD Washington Bureau
October 10, 1939

The National Bureau of Standards has published a revision of its circular C383, issued in 1930, describing and commenting on washing, cleaning, and polishing materials. The new circular was prepared by F. W. Smither and is designated as C424.

This circular discusses the use of water in laundering, pointing out the effects of impurities in the water and means for their removal. A description of the general composition of soap, soap manufacturing processes, and the common varities of soap products is followed by brief discussions of alkaline cleansers (including drain or waste-pipe cleaners), and the new soapless detergents, special phosphates, sulphonated oils, bleaches, laundry sours, bluings, and starch. Discussions are also included on dry cleaning, dry-cleaning solvents and soaps, stain removal, finishing of cleaned garments, reclamation of dry-cleaning solvent, elimination of static electricity in dry-cleaning plants, and carpet and upholstery cleaners.

Sections are devoted to automobile and furniture polishes, metal polish, floor wax and polish, glass polish and cleaner, stove polish, shoe polish, polishing cloths, dust cloths, sweeping compounds, floor oils, and wallpaper cleaner.

A list of the government specifications for the products covered, numerous literature references, and suggested formulas for some items are included.

Copies of C424 are obtainable from the Superintendent of Documents, Government Printing Office, Washington, at 15 cents each.

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Strategic Minerals Survey Started by Mines Bureau

—*Continued from page 5*

The chrome deposits at Casper Mountain, Wyo., are believed to include an enormous tonnage of low-grade material extending for more than half a mile along a granite schist contact. This is in very rough country with an overburden that has rendered previous studies of these deposits difficult. With respect to the ores there will also be a metallurgical problem, as a characteristic difficulty of the Western chromites is their more or less intimate association with excessive amounts of iron.

The project near John Day, Oregon, concerns another large area of chromite, low in grade, but with tonnage possibilities that may render it extremely interesting.

Manganese

The Olympic Peninsula of Washington contains numerous deposits of manganese located in rugged country, which have had relatively slight development, though one of the mines has made a substantial production. The investigation here will be concerned with the determination of the nature of the more highly mineralized areas. They are not fully contiguous.

Tin

The tin deposits in the pegbatites of the Black Hills at Tinton, South Dakota, have long excited considerable interest as a source of some production. The difficulty has been that the occurrences of tin are so scattered that little conclusive information can be obtained through examination of face samples. The investigation, therefor, is aimed at the determination of the tin content of the more promising areas through the concentration of mass samples representing substantial tonnage.

The tin deposits of Catron County, New Mexico, are of chief interest because the depositions of tin in very small amounts per ton are found in rhyolite over a vast region, possibly exceeding 100 square miles. There is little hope that any known showing could be made commercial, yet it is conceivable that the tin concentrations might be more pronounced in some areas or that mining on a large scale could be in an extreme emergency produce sufficient tin at high cost to deserve consideration. There are, in addition, some hundreds of miles of shallow placer concentrations in stream beds that might warrant high-cost recovery in an emergency.

Tungsten

The tungsten investigations started in the Nightingale district of Nevada relate to the possibility that large amount of high-cost tungsten could be obtained in an emergency from various contact deposits of the kind that are known to exist in a number of places throughout the country, but especially in the Western States. The investigation will be carried out chiefly by diamond drilling. Reasonable success at this place might result in other similar investigations that would provide considerable assurance of substantial quantities of low-grade ore obtainable from domestic deposits even though at relatively high cost.

According to the Bureau of Mines, since the World War the strategic minerals situation of the United States has been improved in some respects but has become more aggravated in others. The nation is now better off in regard to nitrates, potash, platinum, molybdenum, vanadium, pyrite and antimony than it was at that time.

However, the rapid increase in the use of alloys has made us more dependent than ever on foreign sources of manganese, chromium and nickel. The situation in these materials has been further aggravated by the depletion of the very limited high-grade reserves of manganese and chrome ores during the last war, and, in the case of nickel, by the transfer of refining operations from the United States to Canada. Since 1923, American manufacturers have obtained much of their ore for aluminum from South American bauxite deposits, and we are still dependent entirely on overseas supplies of tin.

While the prospects for disclosing large deposits of deficient strategic minerals in this country of present commercial grade are admittedly not bright, it is felt that relatively small deposits of commercial grade may be accompanied by "halos" of lower grade material that contain sufficient quantities of needed metal that could be extracted if the demand for the minerals becomes great.

Secretary Ickes stated that he had been advised by the Bureau of Mines that manufacturers have on hand fairly large stocks of strategic minerals and that no immediate shortages are anticipated. However, because acute shortages of mineral raw materials would be detrimental to the national defense, the Bureau of Mines has instituted monthly canvasses on the production, consumption and stocks of strategic minerals in addition to starting the explorations authorized under the strategic materials act.

Thompson Named to Head Chemical Salesmen's Ass'n

DeWitt Thompson, an assistant general manager of sales for the Mathieson Alkali Works, this city, has been nominated for the presidency of the Salesmen's Association of the American Chemical Industry for the ensuing year by the nominating committee, which had been selected at the annual meeting of the association, held in the Chemists' Club, this city, October 6. Joseph Wafer, of the Industrial Chemical Sales of the West Virginia Pulp & Paper Company association, presided at the meeting.

DeWitt Thompson

Other nominees are:—Vice-president, Walter D. Merrill, head of Joseph Turner & Co., Ridgefield, N. J.; treasurer, C. O. Lind, of the Dow Chemical Company; and secretary, Gerald Furman, of Merck & Co. Director, for a term of one year, George T. Short, of Wishnick-Tumpeer, Inc.; for a three-year term, Robert T. Gould, of Heyden Chemical Corporation, and William Weed, of the Niagara Alkali Company.

Joseph Wafer

Members of the nominating committee were:—Chairman, Ralph E. Dorland, of the Dow Chemical Company; Ira Vandewater, of R. W. Greeff & Co.; Robert T. Gould, William Weed, of the Niagara Alkali Company; P. J. LoBue, of Joseph Turner & Co., and John A. Chew, head of the company bearing his name.

Mathieson Develops New Textile Oxidizing Agent

The Mathieson Alkali Works, this city, has started work on its first commercial unit for the production of 'Textone,' a new oxidizing agent for the treatment of textiles. The 'Textone' output of the present pilot plant is currently being used by a few prominent New England plants in single-operation scouring and bleaching processes, and as an adjunct to existing kier processes and by a number of other plants for experimental work pending completion of the new commercial unit. The new plant represents the culmination of five years of study in Mathieson's research laboratories for a practicable, commercial process for making sodium chlorite, one of the essential ingredients of 'Textone.'

In discussing the application of 'Textone,' A. L. Dubeau, J. D. McMahon, and G. P. Vincent, all of Mathieson Alkali, before the American Association of Textile Chemists and Colorists, held recently in Boston, said:—

The extent of the scope of its application in textile finishing operations is well illustrated by the fact that advantage is also taken of the slow oxidizing action of 'Textone' on the extreme alkaline side to use it in kiering solutions. Under kiering conditions it exerts an effective desizing action on the load and otherwise promotes an even circulation through the load. For this use, from one to two pounds of 'Textone' for each 1,000 pounds of goods is added to the caustic makeup tank, the amount depending upon the type of goods in the load, the efficiency of the kier and the purpose for which the 'Textone' is intended. No changes in the operation of the kier are necessary. The mild oxidizing action of 'Textone' in a caustic soda solution has no tendering effect on cotton and does not corrode the kier even at pressure temperatures. Operations on a commercial scale have shown that the use of 'Textone' in this way has accomplished the following:—

Elimination of a greige sour prior to kiering; elimination of malting prior to kiering; if the pretreatment includes both malting and souring it is unlikely that both may be eliminated to advantage; elimination of a second boil where this practice is used to obtain uniformity; although 'Textone' on the highly alkaline side does no bleaching, its action in the kier aids the subsequent bleaching step; often this allows chemic concentrations to be reduced; a more even prepare is obtained, thus better dyeing and more permanent whites can be expected.

Nichols Medal Won By Dr. J. M. Nelson

—*Continued from page 3*

jury as "an internationally recognized authority on the isolation and purification of naturally occurring enzymes and the quantitative study of their mode of action." Author of seventy-five papers in scientific journals, he has devoted the major portion of his research to determining the characteristics and activities of enzymes, substances which accelerate chemical transformations in nature; carbohydrates, the organic compounds manufactured by green plants; and valence, the quality which causes elements to react.

Born in West Point, Neb., in 1876, Dr. Nelson was graduated from the University of Nebraska in 1901, and during the next two years he was employed as chemist for the Nebraska Food Commission. During 1903-04 he was instructor in chemistry at the Rose Polytechnic Institute, Terre Haute, Ind. He received the Ph.D. degree from Columbia in 1907. In 1907-08 he was instructor in the Rensselaer Polytechnic Institute, Troy, N. Y.

He joined the Columbia faculty in 1908 as tutor and from 1912 to 1917 served as the first Assistant to the Dean of Columbia College. He became assistant professor in 1915, associate professor in 1916, and full professor in 1922. He has had charge of the instruction of organic chemistry in Columbia College and has directed graduate research.

The Nichols Medal was founded in 1902 by the late Dr. William H. Nichols, a charter member of the American Chemical Society, and chairman of the board of the Allied Chemical & Dye Corporation, this city, to "stimulate original research in chemistry."

Wyndmoor Laboratory Plans Cornerstone Laying Oct. 20

OPD Washington Bureau
October 13, 1939

The cornerstone of the Eastern Regional Research Laboratory of the U. S. Department of Agriculture at Wyndmoor, Pennsylvania, will be laid the afternoon of October 20. Leaders in agricultural and industrial research and many interested in industrial developments in the region are expected to attend. Principal speakers on the program will be Senator Joseph F. Guffey of Pennsylvania, and Under Secretary of Agriculture M. L. Wilson.

DuPont Preferred Stock Offered to Debenture Holders

Wilmington, Del., Oct. 9, 1939

Directors of the E. I. du Pont de Nemours & Co. has authorized the offering to holders of debenture stock, one and one-eighth share of preferred stock $4.50 cumulative in exchange for each share of debenture stock outstanding. The exchange offer will expire at the close of business October 24.

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141 West Jackson Boulevard, Chicago, Illinois

Ransome Co. to Exhibit At N.Y. Chemical Show

The Ransome Concrete Machinery Company, manufacturer of industrial mixers, Dunellen, N. J., plan to exhibit a model chemical mixer about 17 inches high with a transparent glass mixing drum at the annual Chemical Exposition to be held in Grand Central Palace, this city, December 4 to 9. In this machine will be mixed all types of batches of actual chemicals, as well as a variety of gaily colored peas in order to demonstrate the Ransome Mixing action.

Technical Books Cataloged

A new catalog of technical books has just been issued by the Chemical Publishing Company, 148 Lafayette street, this city. It covers domestic and imported books on chemistry, physics, mathematics, medicine, metallurgy, machinery, engineering, biology, general science, business, manufacturing, and technical dictionaries. A copy will be sent to anyone interested, on receipt of stamps to cover postage.

Toilet Preparations Exports In August Tabulated

The value of United States exports of toilet preparations during July, 1939, according to the Bureau of Foreign and Domestic Commerce, was as follows:—

Classification.	Value.
Dental creams	$139,797
Other dentifrices	11,001
Talcum powder in packages	56,680
Face and compact powder	29,673
Cold creams	20,298
Vanishing creams	15,414
Other creams, lotions and balms	26,982
Rouges	13,760
Lipsticks	38,884
Other cosmetics	18,935
Manicuring preparations	51,321
Depilatories and deodorants	7,783
Hair preparations	52,096
Perfumery and toilet waters	14,548
Other toilet preparations	31,140

NV
TRADE MARK REGISTERED
SULPHATE of POTASH
90 — 95% K_2SO_4
Min. 95% K_2SO_4
Min. 96% K_2SO_4
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SULPHATE of POTASH
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Min. 99% KCl
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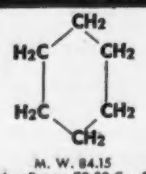
POTASH PAYS ON ALL CROPS
N. V. POTASH EXPORT MY. Inc.
19 West 44th St., New York
Telephone: Vanderbilt 3-4588

Are you acquainted with these new members of the Barrett Family?

CYCLOHEXANE, 98-100%



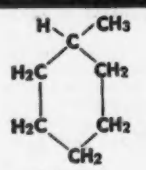
M. W. 84.15
Distillation Range 79.0° C.—82.0° C.

Cyclohexane is produced by the hydrogenation of benzene.

Methyl Cyclohexane is produced by the hydrogenation of toluene.

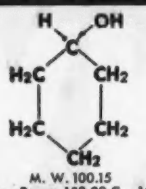
These cyclic hydrocarbons are excellent solvents for most oils, fats and waxes. They also dissolve many other materials, including crude rubber, bitumen and ethyl cellulose. They have application in extraction, recrystallization of fine chemicals and degreasing. The two chemicals have many common uses and in numerous instances are interchangeable, depending on the boiling point and evaporation rate desired.

METHYL CYCLOHEXANE, 98-100%



M. W. 98.18
Distillation Range 100.0° C.—103.0° C.

CYCLOHEXANOL, 98-100%



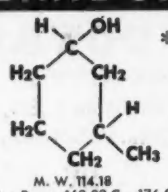
M. W. 100.15
Distillation Range 158.0° C.—162.0° C.

Cyclohexanol is produced by the hydrogenation of phenol.

*Methyl Cyclohexanol is a mixture principally of two isomers produced by the hydrogenation of metaparacresol.

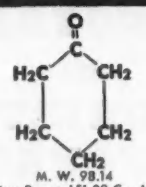
These cyclic secondary alcohols are solvents for most oils, fats, waxes and many natural and synthetic resins. They have applications as aids in wetting-out, as emulsion stabilizers, homogenizers and blending agents. They are of especial value in soaps and have use in lacquers, plastics, polishes and many other preparations.

METHYL CYCLOHEXANOL, 98-100%



M. W. 114.18
Distillation Range 169.0° C.—176.0° C.

CYCLOHEXANONE, 98-100%



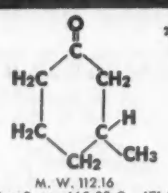
M. W. 98.14
Distillation Range 151.0° C.—157.0° C.

Cyclohexanone is produced by the incomplete hydrogenation of phenol.

*Methyl Cyclohexanone is a mixture principally of two isomers produced by the incomplete hydrogenation of metaparacresol.

These cyclic ketones are excellent solvents. They dissolve cellulose esters, cellulose ethers, and crude rubber. In addition, they are solvents for oil, fats, waxes and most of the natural and synthetic resins. Methyl cyclohexanone is widely used in lacquers of the crystallizing type. Both have application in lacquers, enamels, inks, polishes and the resin industry.

METHYL CYCLOHEXANONE, 98-100%



M. W. 112.16
Distillation Range 165.0° C.—171.0° C.

DETAILED SPECIFICATIONS ON REQUEST

The advice and experience of the Barrett Technical Staff are at the service of anyone interested in the possible application of these products in his own processing. Detailed specifications and descriptions of the six chemicals are available, and will be sent in response to requests on firm stationery. Phone, wire or write.

Barrett CHEMICALS

THE BARRETT COMPANY
40 Rector Street New York, N. Y.

AMERICA'S LEADING MANUFACTURER OF COAL-TAR PRODUCTS

Coaltar Chemicals

Demand Exceeds Available Supplies in Some Basic Products —Refined Naphthalene Higher—Phenol Remains Active —Toluol Position Unaltered—Intermediates Firm

An active inquiry prevailed in the market for various coaltar chemicals throughout the past week. Demand in many instances continued to exceed available supplies, particularly in basic products. Sellers were able to take care of contract consumers, but were still accepting new business where unusual demands occurred on a limited basis. The heavy withdrawals constituted improved consumers requirements, the desire to add to depleted inventories and the lack of available supplies from abroad. The release of the refined naphthalene schedule was the only price development.

The advance in refined quotations fully reflected the shortage in the crude material brought about by conditions abroad. Domestic production was not adequate to take care of all the needs in the absence of any worthwhile shipments from the Continent. The situation in the imported material remains about the same, with restrictions, shipping and other factors detrimental to normal deliveries. The situation in cresylic acid was similar. Shipments of material from England were held up because of restrictive measures, and domestic sellers were not able to cope with all demands at present. Contract requirements were filled in practically all instances, but quotations for spot and new business were nominal and business was usually limited.

Phenol was still in active demand, and sufficient to keep production facilities geared up to high levels to take care of all requirements. Most factors were not considering export inquiries in view of the heavy domestic demand. Benzol, toluol and xylol were still in a tight position. Demand for toluol by far exceded available production, and sellers were not accepting any new business.

A steady buying interest was evident in coaltar intermediates, but sellers limited business to normal requirements in virtually all instances. August exports amounted to 214,268 pounds, valued at $68,066, of which the United Kingdom, Canada, China and Japan were the largest consumers. August imports were only 39,366 pounds, valued at $31,810, of which Germany shipped 35,735 pounds. Coaltar acids were fairly active and firm. August exports amounted to 24,678 pounds, valued at $9,918, of which 15,832 pounds went to Canada. Imports during August totaled 5,767 pounds, valued at $13,171, all of which came from Germany.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Naphthalene, refined, flake, ball, 1c. per lb.
chipped, crushed, ¾c. per lb.
rice, crystal, pwd., 1c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
125.7	125.7	125.2	125.9

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—A steady movement from production to consuming channels remained in evidence throughout the past week. Shipments against contracts were sufficient to take care of available production, although sellers were not having any great difficulty in supplying domestic needs in view of the moderate increases recorded over the past several months. New export inquiries were not given much consideration at present. Quotations underwent no change, but the tone of the market was one of firmness. Steel operations last week were estimated at 88.6 percent of capacity, and output was expected to reach even higher levels. Benzol exports during August amounted to 2,238,487 gallons, valued at $318,533, of which 986,304 gallons went to the United Kingdom; 884,566 gallons to France; 237,566 gallons to Belgium; 59,930 gallons to China; 20,084 gallons to Cuba and 20,217 gallons to Uruguay.

Coaltar.—Shipments against contracts were along normal lines last week. Prices were unchanged and firm. August exports of crude and refined totaled 417,077 gallons, valued at $21,368, of which 414,233 gallons went to Canada.

Creosote Oil.—Major consumers entered the market for fair size replacements during the past week. Sellers were adhering to previous quotations. August exports aggregated 29,718 gallons, valued at $5,055, of which 11,184 gallons went to Canada and 10,072 gallons to the Panama Canal Zone. Imports during August amounted to 2,127,070 gallons, valued at $262,437, of which 2,035,594 gallons came from Belgium and 90,199 gallons from Canada.

Cresols.—A firm price tone prevailed in the market for various cresols. Consumers took an active interest in the market, and shipments moved quite steadily. August imports of meta, ortho and para cresols totaled 2,740 pounds, all of which came from the United Kingdom.

Cresylic Acid.—The market remained in a tight position. Domestic producers were finding it difficult to supply all inquiries, and concentrated principally on normal contract requirements. Quotations in the outside market were strictly nominal. With restrictions still a barrier to importations of foreign material, the market received no supplies of consequence and prices were not quotable. Imports during August aggregated 65,813 gallons, valued at $22,060, of which 63,813 gallons came from the United Kingdom; 2,482 gallons from Germany and 256 gallons from the Netherlands.

Naphthalene.—A new schedule was released for various grades of refined naphthalene, effective October 10, showing advances of ¾c. to 1c. per pound. Schedule follows:—Balls or flake, barrels, wholesalers and jobbers, 6¾c. per pound; 50-pound cases, 7c. per pound; packages, 16 ounces 7½c. per pound; packages, 12 ounces, 6c. per pound. Chipped, crushed, barrels, 6c. per pound; rice, crystal and powdered, barrels, 6¾c. per pound. Above prices are f.o.b. works, freight equalized with other producing points. Contracts are subject to revision on first day of each calendar month and will be accepted for the period ending September 30, 1940. No change was reported for the domestic crude. Quotations for the imported were not available in the absence of any shipments of consequence from abroad.

Phenol.—Demand was active in this direction and sellers were pushed to supply all commitments. In most instances sellers cautioned buyers to limit requirements to normal amounts. Export inquiries were numerous, but with the domestic needs adequate to take care of available production, most of this business was not accepted. August exports totaled 226,646 pounds, valued at $23,710, of which 133,000 pounds went to Belgium; 66,600 pounds to Germany, and 22,050 pounds to the Netherlands.

Pitch, Coaltar.—Dealings in the market were along routine lines. Prices were firm and unchanged. August exports were 564 tons, valued at $9,415, of which 140 tons went to France; 92 tons to the United Kingdom, and 323 tons to Canada.

Pyridin.—Firm conditions prevailed in the market for the refined and denaturing grades. Current production was well sold ahead.

Tar Acid Oils.—No change occurred in the prices, and a firm tone prevailed in the market last week. Shipments moved against contracts at a satisfactory pace.

Toluol.—The market position showed comparatively little improvement from recent weeks. Sellers were booked solidly ahead on current production

*Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

schedules, and were not able to accept any new business. Prices ruled unchanged and firm.

Xylol.—A firm tone remained in evidence throughout the past week. Sellers were able to accept most business, but withdrawals against existing contracts provided the bulk of the transactions.

Chicago Coaltar Bases

Buying of benzol and various other grades of coaltar bases was holding up fairly well. Demand for some of these products has been such as to surprise some suppliers. Because of the continued heavy rate of steel industry operations, the supplies of these products coming into sight are much larger than some months ago, but the demand in general seems sufficient to absorb it. Ruling prices, exclusive of tax, are:—Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 10½c. to 11c.; toluol, 22c.; 10-degree xylol, 29c.; solvent naphtha, 26c.; creosote oil, grade 1, 13c. to 14c.

Coaltar Acids

Anthranilic.—Quotations for the refined and technical were unchanged and firm. Sellers reported a steady demand for moderate quantities.

Cleve's.—Withdrawals against contracts were moderately active during the past week. Prices were without alteration.

Fumaric.—Shipments were moving at a good pace, commensurate with improved operations in basic consuming industries. No change was disclosed in the quotations.

Maleic.—Demand for principal consuming channels remained satisfactory last week. No change occurred in the quotations.

Salicylic.—Prices were well maintained in the market. Transactions were steady for moderate quantities as a rule.

Other Intermediates

Anilin.—A broad buying interest was still evident in the market, but most consumers were making normal withdrawals against contracts. Prices ruled firm.

Betanaphthol.—The call for the technical material was steady. Sellers were adhering to quotations in force previously.

—Continued on page 30.

American Gas Ass'n Elects W. C. Beckjord President

—Continued from page 4

vice-president of the Consolidated Gas, Electric Light & Power Corporation of Baltimore; H. L. Dickerson, of Ebasco Services, Inc., this city; Leon B. Eichengreen, of the Philadelphia Electric Company, Philadelphia; C. E. Gallagher, president of the East Ohio Gas Company, Cleveland; N. Henry Gellert, president of National Public Utilities Corporation, Philadelphia; R. H. Hargrove, vice-president and general manager of the United Gas Pipe Line Company, Houston, Tex.; George S. Hawley, president of the Bridgeport Gas Light Company, Bridgeport, Conn.; C. E. Paige, president of the Brooklyn Union Gas Company, Brooklyn; and Louis Ruthenburg, president of Servel, Inc., Evansville, Ind.

Among the number of reports submitted by various technical committees was a report on chemicals in which results of a number of corrosion tests in processes associated with the by-product coke industry were reported by O. B. J. Fraser and G. L. Cox, of the International Nickel Company. These tests covered twenty-one metals and alloys used in the construction of apparatus for producing, refining, and handling ammonia liquors, sulphate of ammonia, phenol, phenolate of soda, benzol, light oils, thiocyanate of ammonia, coaltar, coaltar resinols, and tar acids.

The method of testing was described, and the results were discussed in the light of practical experience and records of existing equipment made from corrosion-resistant materials. The results showed that "Monel," a high-nickel alloy was specially useful in operations involving sulphuric acid, sulphate of ammonia, ammonia liquors, alkaline solutions, tar acids, saltwater, and polluted waters. Other materials, such as "Inconel" and the stainless steels of the chromium-nickel and chromium-nickel-molybdenum types, were found useful for equipment for the distillation of benzol, handling thiocyanate of ammonia, distillation of coaltar, and other processes where corrosives such as sulphur dioxide might be present. The usefulness of a thin corrosion-resisting metal-cladding on steel was also discussed.

The results of the corrosion tests were given in terms of annual inch penetration, this unit being considered the most useful in determining the expected life of equipment. For those interested in weight losses, a formula for converting the penetration values to daily milligram loss per square decimeter was given.

Dyestuff Domestic Needs Prime Concern of Makers

Charlotte, N. C., Oct. 9, 1939

With the present war cutting off practically all exportations of dyestuffs from Europe, the rest of the world is now turning to the United States for their dyes, with the result that we are being deluged with orders from all over the world, W. F. Van Riper, district salesmanager of the dyestuffs division of E. I. duPont de Nemours & Co., told the Piedmont section of the American Association of Textile Colorist and Chemists, meeting here October 7. He said that while he sympathized with these countries over the predicament in which they find themselves, our first obligation is to domestic consumers. Their requirements, he added, will be completely satisfied before any possible surpluses are available for export. Mr. Van Riper in part, said:—

Instead of only seven small plants producing dyestuffs as in 1914, we now have over forty, with nearly two hundred fifty plants in the entire synthetic organic chemical industry. Upwards of five million dollars is spent each year in research. More than $6,000,000,000 worth of merchandise have their desired sales appeal because of these American-made dyestuffs, and yet, only about $60,000,000 worth of dyestuff per year brings all of this about.

It is easy to understand therefore why a few present-day consumers imagined a few weeks ago that they should get ready for a repetition of 1914 conditions when England advised Germany last month that a state of war again existed between their two countries. These unthinking individuals were afraid that under any blockade laid down by England their necessary supplies of dyes would again be cut off.

Needless to say, they did not know, or had forgotten, that the American dyestuff industry has been taking care of over 95 percent of their total dyestuff needs for many years. As a matter of fact, dyestuff importations in 1938 totaled only a little over 3,000,000 pounds. If the industry was able to produce more than 122,000,000 pounds of dyestuff in the peak year of 1937, surely there should be no need for fears as to a continued sufficient supply. This large total covered some 1,200 separate and distinct types of dyestuffs, each with its own peculiar dyeing and fastness properties.

In order to produce this large total of dyestuffs in 1937, and to supply the essential raw materials for the increasing requirements of various types of synthetic resins, and for other uses, a production of more than 575,000,000 pounds of coaltar intermediates was necessary. Included in this total were more than 65,500,000 pounds of phenol and slightly over 45,000,000 pounds of phthalic anhydride. There were approximately five hundred eighty other intermediates necessary.

Pittsburgh Coke to Build Hydrogen Sulphide Plant

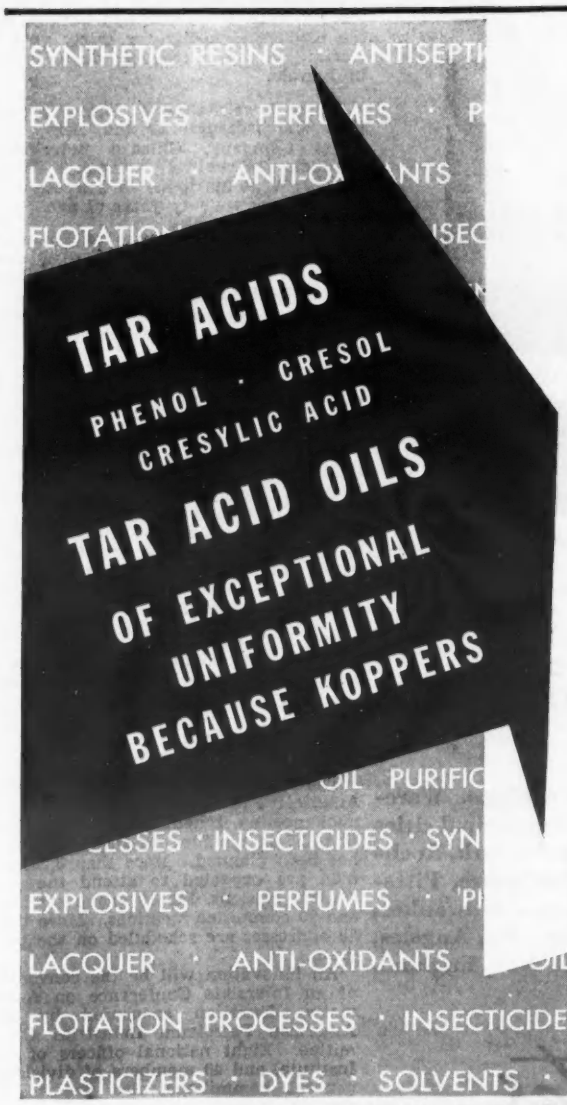
Pittsburgh, Oct. 10, 1939

The Pittsburgh Coke & Iron Company has let a contract to the Koppers Company for erection of a hydrogen sulphide plant which would be used to recover sulphur in its coke oven gas. The company also placed a contract with Chemical Construction Company for manufacture of sulphur into sulphuric acid used by Pittsburgh Coke & Iron in making sulphate of ammonia. The two contracts called for expenditure of more than $300,000.

Ames Made Vice-President Of American-British Chemical

John T. Ames has been elected vice-president of the American-British Chemical Supplies, Inc., of New York and Charles Tennant & Co. (Canada) Ltd., of Canada. He succeeds to the vacancy created by the death of E. H. Watson, September 24. Mr. Ames is vice-president of Kay-Fries Chemicals, Inc., an associated company, and had assisted Mr. Watson for the past five years.

Dyes are required by the owner of a Guatemala firm interested in textile dyes who arrived recently in the United States. Properly accredited American firms who may be interested in contacting this individual may obtain his address upon application to the chemical division of the Department of Commerce, Washington, by referring to Foreign Visitor 1100.



1. Controls coal mines . . :
2. Operates coke ovens with coal from these mines . . :
3. Produces tar from these coke ovens . . .
4. Separates acids from this tar . . .
5. Refines these acids in large volumes in a thoroughly modern plant put into operation late in 1937.

PHENOL All standard grades such as 82% and 90% and 39° Melting Point Pure.

CRESOL U. S. P. with very close cut distillation range and light color, for pharmaceutical purposes—Meta-Para Cresol with high meta cresol content—Resin cresols close cut to wide boiling with guaranteed meta cresol contents and clean odor, free from sulfur compounds.

CRESYLIC ACID Many distillation ranges appropriate for all established uses—pale color—clean odor—total impurities besides water not exceeding one half of one percent.

TAR ACID OILS Frozen crystal free at 0°C.—good emulsion-forming properties—low benzophenol content—appropriate for low to high coefficiencies with tar acid contents as required.

Koppers position, due to raw materials and modern plant equipment, is exceptional for special cuts or fractions. Inquiries solicited and welcomed.

KOPPERS CHEMICALS AND SOLVENTS

Benzol (all grades) . . . Toluol (Industrial and Nitration) . . . Xylol (10° and Industrial) . . . Solvent Naphtha (including High Flash) . . . Phenol (82% and 90% Purity) . . . Cresol (U. S. P., Resin and Plasticizer Grades) . . . 3° Meta Para Cresol . . . Cresylic Acid (Disinfectant Grades—99%, pale, low-boiling. Insecticide Grades—99%, pale, high-boiling) . . . Naphthalene . . . Shingle Stain Oil . . . Refined Tars . . . Tar Acid Oils . . . Pitch Coke . . . Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote.

OTHER KOPPERS PRODUCTS

Tanks and Tank Work . . . Benzol Recovery Plants . . . Naphthalene Removal Apparatus . . . Phenol Removal Apparatus . . . By-Product Gas Plants . . . By-Product Recovery Apparatus . . . Sulfur Recovery Apparatus . . . Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Road Tar Materials . . . Bituminous Base Paints . . . Coal . . . Coke . . . Fast's Self-aligning Couplings . . . Fire Hydrants . . . Piston Rings . . . Gas, Air and Water Valves . . . Pressure-treated Lumber

KOPPERS COMPANY · PITTSBURGH, PA.

Coaltar Chemicals

Other Intermediates

—*Continued from page 29*

Dimethylanilin. — Shipments against contracts were proceeding at satisfactory levels, and the tone of the market was firm.

Monochlorobenzene. — A firm price tone characterized trading in the market, but quotations were without change. Consumers were making fair size replacements from time to time.

Nitrobenzene. — A steady demand against contracts prevailed in the market during the past week. Prices were unchanged and firm.

Orthonitrotoluene.—The market remained in a firm position, and quotations were well sustained. Buying was limited to normal requirements.

Phthalic, Anhydride. — An active demand prevailed in the market for practically all major consuming channels. Pricewise a firm tone remained in evidence.

Xylidin, Mixed.—Buying from regular consumers was sufficient to keep the position of the market firm.

Coaltar Colors

Transactions in the market for various coaltar colors remained steady last week. A broad demand was evidence from practically all consuming channels, reflecting increased requirements rather than any inventory covering. Sellers were still cautious in accepting new inquiries and export business. While the orders were placed on a more normal basis, sellers were still active in clearing up backlogs. The market was without a particular price feature, but quotations were well sustained. August exports from the United States of coaltar colors, dyes and stains amounted to 872,225 pounds, valued at $421,011, of which 358,579 pounds went to Canada; 122,214 pounds to China and 66,756 pounds to Belgium. Imports during August aggregated 289,053 pounds, valued at $500,106, of which 153,622 pounds came from Switzerland and 111,217 pounds from Germany.

SOCONY-VACUUM

NAPHTHENIC ACIDS

● CRUDE, SEMI-REFINED AND FULLY REFINED GRADES AVAILABLE IN VARIOUS ACID NUMBER RANGES

SOCONY-VACUUM OIL COMPANY, INC.
26 Broadway, New York

GENERAL PETROLEUM CORPORATION
108 W. 2nd St., Los Angeles, Calif.

Obituaries

H. S. Prescott

Herbert S. Prescott, vice-president, in charge of the Eastern division of Pratt & Lambert, Inc., paint manufacturers, succumbed to a heart attack in his home in Garden City, L. I., October 7. He was fifty-six years of age.

H. S. Prescott

Mr. Prescott started with Pratt & Lambert in 1906, as sales representative in New England territory. In 1922 he was made district sales manager, and in 1925 sales manager of the Eastern division. Early in January, 1928, he was appointed resident manager of the New York office, which position he held at the time of his death. Mr. Prescott was elected to the board of directors of Pratt & Lambert in December, 1929. On January 28, 1931, he was made vice-president.

Surviving are his wife and two daughters.

Leroy C. Bridgman, for several years past representative in Argentina of Spencer Kellogg & Sons, producer of vegetable oils, Buffalo, N. Y., died October 2. Mr. Bridgman had been with the Kellogg company for thirty years, starting in the purchasing department in Buffalo.

Henry Harrison Cross, former president and treasurer of the Henry H. Cross Company, Chicago petroleum products marketing company, died October 7 at his home in Purcellville, Va. He was seventy years of age.

Jacob Nathan, treasurer of Roxbury Chemical Company, Boston, died October 9 of a heart attack in his room in the Hotel Edison, this city. A brother, John Nathan of Boston, is president of the company. He was seventy-four years old.

F. H. Page, head of the Page Paint Company, Waverly, Iowa, was killed recently in an automobile collision.

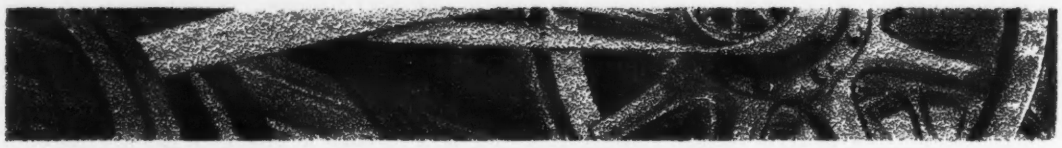
Mrs. Rena Esther Smith, wife of Cephas C. Smith, vice-president of the Potash Company of America, died unexpectedly October 8 in her home in Guilford, Md. Mrs. Smith was a native of Westfield, N. Y., and was forty-nine years old. Besides her husband, she left two children, Cephas C., jr., and Peter Carlton Smith.

Col. J. J. Riley, former president of the Barium Reduction Corporation, South Charleston, West Va., died recently.

A.P.I. Convention Program Nears Completion

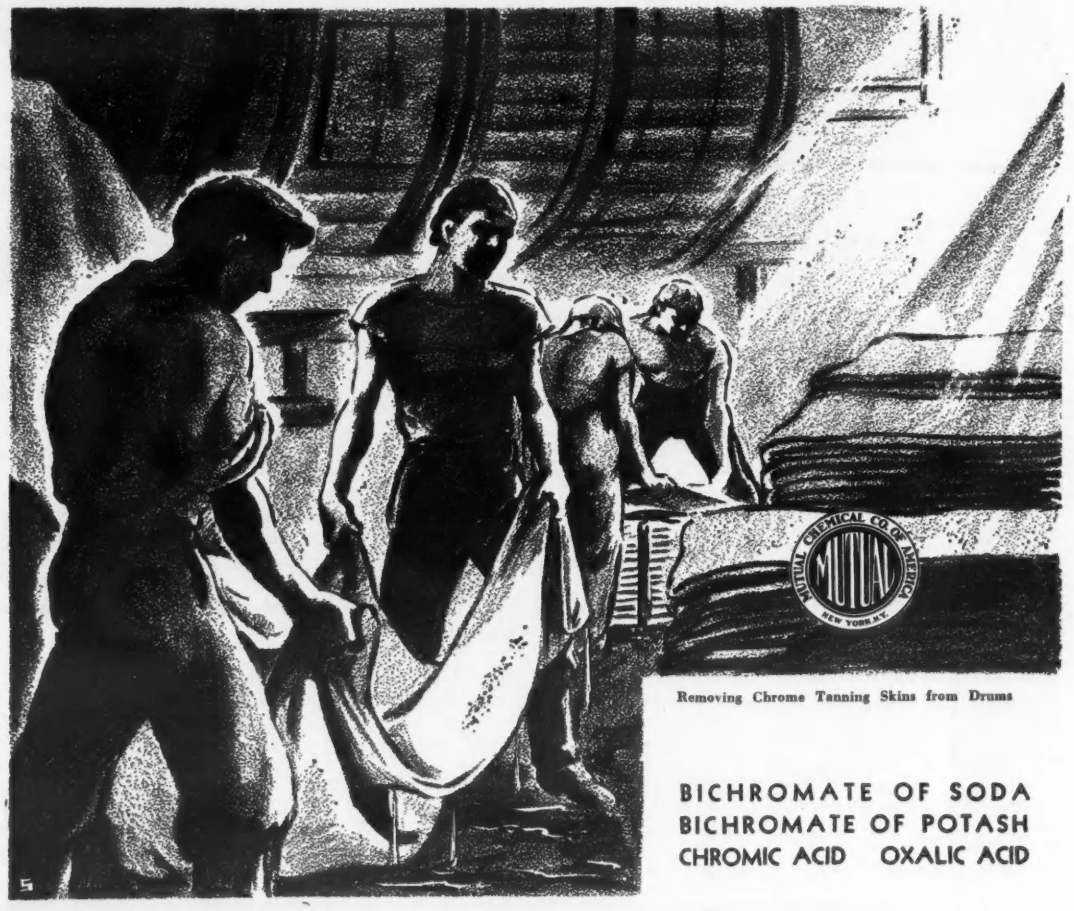
The preliminary program for the American Petroleum Institute's 20th annual meeting, scheduled for November 13 to 17 in the Stevens Hotel, Chicago, has been planned. More than 3,000 oil men are expected to attend the two general sessions, the 16 group sessions, and 90 committee meetings. More than 50 addresses are scheduled on the program.

An innovation will be the convening of an Interstate Conference on Automotive Taxation sponsored by the American Petroleum Industries Committee. Eight national officers of the Institute, and 40 members of divisional general committees also are to be elected. Guest speakers for the general sessions include Dr. Joseph E. Pogue, of the Chase National Bank, this city.



Chromium Chemicals

FOR THE TANNING INDUSTRY



Removing Chrome Tanning Skins from Drums

BICHROMATE OF SODA
BICHROMATE OF POTASH
CHROMIC ACID OXALIC ACID

TODAY, leather tanning is the largest single use for Bichromate of Soda. Since the inception of chrome tanning Mutual has supplied leading American tanners with Bichromate of Soda of the highest quality.

Operating two processing plants at Jersey City and Baltimore, Mutual offers to chromium users the most complete distribution facilities. Warehouse stocks are maintained in all principal cities including: New York, Jersey City, Newark, Rochester, Syracuse, Philadelphia, Baltimore, Pittsburgh, Charlotte, Detroit, Chicago, Milwaukee, St. Paul, St. Louis, Kansas City, Los Angeles, San Francisco, and throughout New England.

Mutual Bichromates

MUTUAL CHEMICAL COMPANY OF AMERICA .... 270 Madison Avenue, New York City

Dyestuffs, Textile and Leather Chemicals

General Demand Displays Some Slackening From the High Levels —Bichromate Shipments Active—Corn Derivatives Firm —Natural Dyestuffs Firm—Antimony Salt Nominal

Business in the market for dyestuffs, textile and leather chemicals slackened somewhat last week. Most consumers were fairly well provided for as the result of heavy purchases in the last several weeks. However, in some items where bookings were far ahead of available supplies, sellers were able to catch up on deliveries. Shipments of many materials were now proceeding at a better pace, and less confusion in prices was evident. The market noted more stability as far as price changes were concerned than at any time since hostilities started in Europe.

Shipments of bichromates were active, but new business slowed down sufficiently to give sellers a breathing spell. Export inquiries continue to be given secondary consideration at this time. Small supplies of red potash prussiate were available. Prices ranged considerable above previous levels. Antimony salt was strictly nominal. Shipments of raw tanning materials were proceeding along more normal lines, and most consumers were receiving adequate supplies. Gambier was scarce and strictly nominal. Natural dyestuffs were firm and fairly active.

Corn derivatives held unchanged, but the market firmed somewhat in view of the higher prices for the raw commodity. New bookings were slower, but sellers had large orders on the books for future delivery. The corn grind of eleven refiners of starches, syrups, sugar and other derivatives of corn during September amounted to 7,589,250 bushels, against 5,899,416 bushels in August and 6,944,311 bushels in September a year ago.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Potash, prussiate, red, 6c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
148.4	**148.4**	**148.3**	**150.0**

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Acetate. — Demand came chiefly from the dry color, textile and dyestuff trade for moderate quantities. No change was reported in the prices, and the market remained firm.

Chrome Acetate.—Quotations held the same, but the market was firm. Shipments moved to consuming channels fairly steady.

Antimony Salt. — Spot stocks remained limited, and the market was strictly nominal at the levels established a few weeks previous.

Potash Bichromate.—Spot and contract shipments moved at a good pace, although volume was tapering off somewhat from the higher levels. Prices held unchanged.

Potash Prussiate.—Small supplies of red material were available, spot quotations ranging from 35c. to 45c. per pound. Business was moderately active. August imports totaled 16,535 pounds, valued at $3,887, of which 11,023 pounds came from France and 5,512 pounds from the Netherlands.

Soda Bichromate.—While new business gave some indication of slackening, sellers were booked pretty well in advance, and shipments moved steadily. Prices were firm.

Soda Prussiate.—Spot and contract prices were firm, but unchanged. Interest in the market was maintained at satisfactory levels.

Sulphonated Oils.—Sellers were still unable to quote for various grades of material in view of the rapidly fluctuating raw material market. Transactions were reported as steady.

Zinc Dust.—Domestic and export inquiries were still coming in the market, and shipments were moving at a good pace. Prices were firm.

Dyestuffs

Annatto.—Prices were well maintained in this direction. Usual consumers entered the market for necessary requirements. August imports of annatto and extracts totaled 136,577 pounds, valued at $4,847, of which 42,085 pounds came from Jamaica, 73,023 pounds from Ecuador, and 20,519 pounds from British India.

Archil.—Interest in the market was maintained at fair levels during the past week. No change was disclosed in the prices.

Cochineal.—Usual consumers entered the market for moderate withdrawals. Prices were in conformity with those established previously. August imports were 8,592 pounds, valued at $8,592, of which 7,4o9 pounds came from Peru, and 1,103 pounds from the Canary Islands.

Fustic.—A firm price tone prevailed in the market. Shipments moved at a steady pace throughout the past week.

Logwood.—No change occurred in the quotations, and the tone of the market was firm. Business was moderately active. August imports of logwood were 1,207 pounds, valued at $18,106; extract, 69,176 pounds, valued at $8,376.

Turmeric.—The market was strictly nominal, with spot stocks scarce. August imports amounted to only 140 pounds.

Sizing Materials

Albumen, Egg.—Demand was less active than in recent weeks. No change was uncovered in domestic prices, while nominal conditions prevailed in the imported material.

Corn Sugar.—The market underwent no further change last week. However, the recent advance in the basic commodity market may influence prices later. New business was somewhat slower.

Dextrin.—A firmer price tone prevailed in the market for various grades of corn dextrin, but quotations held at the levels established the preceding period. Sellers were endeavoring to catch up with orders already booked, with new bookings tapering off. Visible supplies of corn for week ended October 7 decreased 1,346,000 bushels totaling 15,618,000 bushels, and compared with 11,521,000 bushels in the same week a year ago.

Egg Yolk.—Prices were held at the same levels, with a steady to firm tone evident. Demand was along routine lines.

Starch.—No further change transpired in the market last week. Some slackening in business was discernible, but backlog of orders kept shipments moving at a good pace. Production of corn this year was placed at 2,532,417,000 bushels, against 2,523,092,000 in the previous month and 2,542,238,000 bushels a year ago, according to the Department of Agriculture crop report.

Tanning Materials

Gambier.—Supplies of spot stocks were still scarce and the market for the common, plantation and Singapore cubes was strictly nominal.

Mangrove Bark.—No quotations were available for the fibrous and non-fibrous material in the absence of any shipments from abroad.

Myrobalans.—No change occurred in the market last week. Shipments were coming at a more normal pace, and inquiries were less active.

Quebracho.—Prices were well sustained at the levels recorded the preceding period. Interest in the market remained steady.

Sumac.—Supplies were none too plentiful and the market was firm, however, quotations displayed no further advances.

Valonia.—The market offered no new developments as far as prices were concerned. Demand was fairly active.

Wattle Bark.—Usual consumers displayed moderate interest in the market. Quotations were without change.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

N.Y. Textile Chemists Open Season Oct. 27

—Continued from page 4

Research. The pictures, which Mr. Roger will show, demonstrate in a striking manner the wide uses of this particular instrument.

Dr. M. J. Dorcas, of the carbon sales division of the National Carbon Company, will present a paper covering the development and application of the three-phase carbon arc lamp to accelerated fading equipment and to a light source for high-speed visual requirements as used in classification of commodities and in the matching of colors. The demonstration will cover the "National" accelerated fading unit and the "National" daylight equivalent lamp. This equipment involves the latest in design and light source for the purposes specified.

The usual open discussion period will follow each speaker's presentation. And the customary registration fee of 25 cents will be collected at the meeting.

Griess-Pfleger Reorganized With Kiernan President

Final reports on the reorganization of the Griess-Pfleger Tanning Company, Cincinnati, have been filed with the Federal District Court. Officers were chosen as follow:—President, E. F. Kiernan; vice-presidents, E. T. Cady and J. H. Jordan; secretary and assistant treasurer, F. W. Graff, jr.

N.Y. Production Club To Meet October 18

The regular monthly meeting of the New York Paint and Varnish Prodoction Club will be held October 18 in the Building Trades Employers' Association, 2 Park avenue, this city. Edward Edelstein, of the general naval stores division of Newport Industries, Inc., and Joseph Thompson, of New Jersey Zinc Company will be the guest speakers. In addition, F. M. Damitz will present a summary of the paper prepared by the technical committee "The Measurement of Adhesion of Dried Coatings," which will be read at the national convention in Chicago.

Aniline and other dyes employed in dyeing textile goods in Canada in 1938 amounted to 274,459 pounds compared with 365,816 in 1937.

Colorado Chain Store Tax Test Suit Started by Ford

A suit testing the constitutionality of the Colorado chain store tax in connection with the responsibility for the payment of taxes by an automobile manufacturer for his Colorado dealers has been started in the Denver District Court by attorneys for Henry Ford. An order restraining Charles Armstrong, State treasurer, from collecting $129,000, which he claims the automobile firm owes on its Colorado dealers since 1935, has been asked by the Ford interests. The Ford attorneys contend that to collect taxes "on wholly independent dealers is a violation of the constitution."

Toronto Production Club Discusses Yellow Pigments

The Toronto Paint and Varnish Production Club held its September meeting in the Hart house. J. Bate, of Harrisons & Crosfield, Paterson, Fraser, Ltd., was elected the first honorary member of the Toronto Club.

A new departure in program activities was inaugurated when President Reeves announced that the papers developed by the club members in competition for the Feeley-Sandford award would be presented to the club by their authors. The competition was open to any member of the Toronto Club presenting a paper written on any subject of interest to the paint and varnish industry. The papers were numbered and the authors drew lots for order of presentation. Papers were presented on the following subjects:—

"The Relative Merits of Some of the Common Yellow Pigments in Tints With White."

"How to Keep the Laboratory and Production Men from Fighting."

"Some Influence of Cooking Procedure on the Properties of a Varnish."

"Industrial Toxicology."

E. E. Sparrow presented the judges' report and spoke of the merits of the new type of meeting in which the members themselves presented the whole program. The award was made to the paper on "Yellow Pigments." W. E. Pomeroy moved that the paper on "Industrial Toxicology" be forwarded to the Paint, Oil and Varnish Club with footnote reading:—"What Can We Do About Industrial Toxicology?"

Devoe & Raynolds Buys Calihan, Inc., in Rochester

The Devoe & Raynolds Company has purchased the paint business of Leo Calihan, Inc., in Rochester, N. Y., and will operate the store as a branch of the Buffalo division. Leo Lyons, connected with Devoe & Raynolds in Rochester, will serve as manager of the new store.

Natural Products Refining Co.
910 Garfield Avenue,
Jersey City, N. J.
Natural
Natural BICHROMATES

DRY COLORS—DYESTUFFS
IMPORT EXPORT
FEZANDIE & SPERRLE, 205 Fulton Street, NEW YORK
Telephones: COrtlandt 7-1460-1461 Cable Address: "Fesan," N. Y.

"NIAPROOF"*
ALUMINUM SALTS FOR WATER REPELLENT TREATMENTS
Especially developed for the modern concentrated water repellent preparations, "Niaproof" contains 37 to 39% active Al_2O_3. It is readily soluble in water giving solutions of 5.1 to 5.4 pH depending on concentration; which can be reduced if desired to a pH range of 3 to 4 by the addition of Glacial Acetic Acid.
"Niaproof" B is a more basic type of aluminum acetate salt containing 35% active Al_2O_3. Solutions have a pH range of 4.7 to 4.8; which can also be lowered by the addition of Acetic Acid.
Samples of both grades are available on request. *Trademark
NIACET CHEMICALS CORPORATION P.O. BOX 460 NIAGARA FALLS, NEW YORK

Current Market Quotations

—Continued from page 21

Yellow, Ocher—Zircon. Ox.

Yellow, ocher, French, cks., l.c.l., ex whse., Pittsburgh	lb.	.03¼- —
Portland, Seattle	lb.	.03½- —
San Pedro, S. Francisco	lb.	.03¼- —
f.o.b. N. Y., from dock,	lb.	.02½- —
from whse.	lb.	.02½- —
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y.	lb.	.04½- —
l.c.l., same basis	lb.	.04¾- —
synth., bbls., c.l., works	lb.	.06½- —
l.c.l., same basis	lb.	.04¾- —
Persian orange (see O).		
Zinc, bbls., same basis chrome CP. contracts	lb.	.18 - —
open order	lb.	.19 - —
Yellow dock root, dom., bls	lb.	.17 - .18
Yellow root (xanthoriza), bls.	lb.	.11 - .12
Yerba santa leaves, bls	lb.	.11 - .13
Yohimbine hydrochloride, via	oz.	4.00 - 4.25

Z

Zein, bgs., 1,000 lbs. or more, works	lb.	.20 - —
less than 1,000 lbs., works	lb.	.25 - —
Zinc acetate, tech., bbls., works,	lb.	.15 - .16
USP, bbls., 250 lbs	lb.	.27 - —
kgs., 100 lbs	lb.	.29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies	lb.	.12 - —
l.c.l., bags	lb.	.12½- —
Zinc arsenite prices are on a frt. alld. to dest. in lots of 96 lbs. or over.		basis
Carbonate, tech., bbls.	lb.	.14 - .16
USP, precip., powd., bbls.	lb.	.31 - —
dms.	lb.	.36 - —
kgs.	lb.	.33 - —
Chloride, tech., fused, dms., c.l., works, 100 lbs.		4.35 - —
l.c.l., works, 100 lbs.		4.60 - —
gran., dms., c.l., works, 100 lbs.		6.00 - —
l.c.l., dms., works, 100 lbs.		5.75 - —
USP, 200-lb. dms.	lb.	.25 - —
25-lb. jars	lb.	.31 - —
solution, 50%, dms., c.l. works	lb.	.0290- —
l.c.l., works	lb.	.04 - .04½
tanks, works	lb.	.0225- —
Cyanide, kgs., works	lb.	.33 - —
Dust, bbls., c.l., dlvd.	lb.	.08½- —
Iodide, N.F., bots.	lb.	4.35 - —
jars	lb.	4.20 - —
l.c.l., bbls., dlvd.	lb.	.09 - —
Fluoride, bbls.	lb.	.20 - .35
Zinc metal (see daily quotations in Market report).		
Oxide, pigment, dom., Amer., process, comi., lead free, bgs., c.l., dlvd.	lb.	.06½- .07½
l.c.l., dlvd., except Pac. cst.	lb.	.06½- .07¾
bgs., l.c.l., ex whse., Pac. cst.	lb.	.06½- .07¾
bbls., c.l., dlvd.	lb.	.06½- .07¾
l.c.l., dlvd., except Pac. cst.	lb.	.06¾- .08
ex whse., Pac. cst.	lb.	.06¾- .08
5%, bgs., c.l., dlvd.	lb.	.06½- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾- —
ex whse., Pac. cst.	lb.	.06¾- —
bbls., c.l., dlvd.	lb.	.06¾- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾- —
ex whse., Pac. cst.	lb.	.06¾- —
35%, bgs., c.l., dlvd.	lb.	.06 - —
l.c.l., dlvd., except Pac. cst.	lb.	.06¼- —
ex whse., Pac. cst.	lb.	.06¼- —
bbls., c.l., dlvd.	lb.	.06¼- —
bbls., l.c.l., dlvd., except Pac. cst.	lb.	.06¼- —
ex whse., Pac. cst.	lb.	.06¼- —
Zinc oxide, pigment, dom., Amer. process, 50%, bgs., c.l., dlvd., except Pac. cst.	lb.	.0606- —
Pac. cst.	lb.	.0612- —
l.c.l., dlvd., except Pac. cst.	lb.	.0631- —
bgs., ex whse., Pac. cst.	lb.	.0631- —
bbls., c.l., dlvd.	lb.	.0631- —
l.c.l., dlvd., except Pac. cst.	lb.	.0656- —
ex whse., Pac. cst.	lb.	.0656- —
French process, com'l, lead free, bgs., c.l., dlvd.	lb.	.06¼- .07½
l.c.l., dlvd., except Pac. cst.	lb.	.06½- .07¾
ex whse., Pac. cst.	lb.	.06½- .07¾
bbls., c.l., dlvd.	lb.	.06½- .07¾
l.c.l., dlvd., except Pac. cst.	lb.	.06¾- .08
ex whse., Pac. cst.	lb.	.06¾- .08
green seal, bgs., c.l., dlvd.	lb.	.08 - —
l.c.l., dlvd., except Pac. cst.	lb.	.08¼- —
ex whse., Pac. cst.	lb.	.08¼- —
bbls., c.l., dlvd.	lb.	.08¼- —
l.c.l., dlvd., except Pac. cst.	lb.	.08½- —
ex whse., Pac. cst.	lb.	.08½- —
red seal, bgs., c.l., dlvd.	lb.	.07½- —
l.c.l., dlvd., except Pac. cst.	lb.	.07¾- —
ex whse., Pac. cst.	lb.	.07¾- —
bbls., c.l., dlvd.	lb.	.07¾- —
l.c.l., dlvd., except Pac. cst.	lb.	.08 - —
ex whse., Pac. cst.	lb.	.08 - —
white seal, bgs., c.l., dlvd.	lb.	.08½- —
l.c.l., dlvd., except Pac. cst.	lb.	.08¾- —
ex whse., Pac. cst.	lb.	.08¾- —
Zinc oxide, French process, white seal, ex whse, bbls., c.l.	lb.	.08¾- —
l.c.l., dlvd., except Pac. cst.	lb.	.09 - —
ex whse., Pac. cst.	lb.	.09 - —
import, gold seal, cks., ex whse.	lb.	.13 - .14
green seal, bbls., ex whse.,	lb.	.10 - —
white, seal, cks., ex whse.,	lb.	.11 - .12½
USP, bbls., c.l.	lb.	.09½
Palmitate, bbls.	lb.	.24½- .26½
Resinate, fused, pale, bbls.	lb.	.10 - —
precip., dms., dlvd.	lb.	.15 - —
Stearate, tech., precip., bbls., ctns., c.l.	lb.	.21½- —
l.c.l., 1 ton	lb.	.22½- —
1,000-2,000 lbs.	lb.	.23½- —
less than 1,000 lbs.	lb.	.24½- —
U.S.P., bbls.	lb.	.22½- .24½
Sulphate, cryst., bgs., c.l.	100 lbs.	2.75 - —
l.c.l.	100 lbs.	3.50 - —
bbls., c.l.	100 lbs.	2.90 - —
l.c.l.	100 lbs.	3.65 - —
flake, bgs., c.l.	100 lbs.	3.10 - —
l.c.l.	100 lbs.	3.85 - —
bbls., c.l.	100 lbs.	3.25 - —
l.c.l.	100 lbs.	4.00 - —
powd., bgs., c.l.	100 lbs.	4.35 - —
l.c.l.	100 lbs.	5.10 - —
bbls., c.l.	100 lbs.	4.50 - —
l.c.l.	100 lbs.	5.25 - —
Sulphide, pigment, barium, calcium, or magnesium base, bgs., c.l. (20 tons), dlvd.	lb.	.07½- —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.07¾- —
bbls., c.l. 20) bbls., c.l., (20 tons), dlvd.	lb.	.07¾- —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.08 - —
Sulphocarbolate, NF, bbls.	lb.	.24 - .30
Zinc-ammonia chloride, dms., c.l., works	100 lbs.	5.15 - —
l.c.l., works	100 lbs.	5.50 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd.	lb.	.05 - —
l.c.l., dlvd., except Pac. cst.	lb.	.05½- —
ex whse., Pac. cst.	lb.	.05½- —
Zirconium nitrate, kgs., works	lb.	3.00 - 4.00
Oxide, crude, 70-75%, grd., bbls., works	ton.	75.00 -100.00
white, 98%, rgd., kgs., works,	lb.	1.00 - 2.00

Synthetic Resins and other Branded Paint Materials

(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the Sept. 4 issue; the next printing will be in the Oct. 2 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials Market, which begins on page 33.

Trade Briefs

McCloskey Varnish Company, Philadelphia, has added Walter Durgin Bawlby to the chemical staff of its research division.

James McGlynn, of the Acme White Lead Company, will be host at the November 6 meeting of the Detroit chapter of the North Dakota Paint Chemists Club.

Robert J. Moore, of the Bakelite Corporation, Bloomfield, N. J., delivered an address on "Tung Oil Alternatives," at the September meeting of N. Y. Paint and Varnish Production Club.

V. C. Bidlack, of the McCloskey Varnish Company, Philadelphia, is now on a trip through the Southwest section, visiting the trade in the states of Oklahoma, Texas, Louisiana, and Alabama.

Dr. C. F. Pickett, of the Resinous Products & Chemical Company, Philadelphia, addressed the October meeting of the Chicago Paint and Varnish Production Club on "Chinawood Oil Conservation."

Rustproofing paint manufacture on license arrangement is desired by a Yugoslavian firm. It is interested in purchasing the license for the manufacture of American rustproofing paints in Yugoslavia. Further information relative to this opportunity may be secured from the Chemical Division of the Department of Commerce, Washington, by referring to serial No. 19124.

362 ALBALITH

DESIGNED TO INCREASE HIDING POWER ON DRYING—ECONOMICALLY

These new, high consistency lithopones are especially suited to flat formulations, because of their particular ability to develop more hiding in the dry film. They offer interesting possibilities from the economy standpoint, also.

Being of the non-reactive type, the paint body they produce is not due to any chemical reaction with the vehicles, but rather to their high oil taking properties.

Albalith 362 is the all-purpose pigment possessing many desirable properties for both flat and gloss paints. Albalith 361 produces flatter flats.

Send for samples and formulating information.

THE NEW JERSEY ZINC CO.
160 Front St. New York

361 ALBALITH

Paint, Varnish, Lacquer Materials

Good Weather Prompts Continued Interest in Outdoor Painting — Soybean Protein Up, Pontianak Nubs and Chips Down — Naval Stores Quieter

An entire week of dry, warm, weather extended the outdoor painting season and sales volume for raw paint materials was a bit better than should have been expected last week. Naturally, the intervention of the holiday on Thursday was a factor in holding down the total orders for the week, but this was not too important in view of the fact that a large part of the trade carried on business either all day or half the day. Pigments were moving well but certain types of fillers and extender products were in less demand. Varnish gum prices were returning to more normal levels with two reductions reported. Glues, both hide and bone, were very strong and soybean protein was advanced.

Rosin and turpentine were quieter in Southern and local markets, the holiday on Thursday causing some slowing down of business. Also, there was a tendency among consumers and dealers to curtail purchases pending further developments in political affairs at home and abroad. Offerings in Southern markets were moderate and the prevailing tone there as well as here was steady or firm.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Soybean protein, ½c. to ⅝c. per lb.

Reduced

Gums, pontianak chips, c.l., 1⅞c. per lb.
nubs, c.l., ⅝c. per lb.
Rosin, gum, medium grades, 5c. to 15c. per 280 lbs.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
131.2	131.2	131.2	131.1

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

The demand for pig lead continued fairly brisk last week with the price firm as quoted. Producers had no difficulty in disposing of their week's supplies and there was even a shortage reported in one quarter. Stocks of lead in United States smelters and refiners on September 1 totaled 208,852 tons, against 211,298 on August 1, a decrease of 2,446 tons. Of this total, refined pig lead stocks amounted to 107,527 tons on September 1, compared with 112,398 on hand a month before, a decrease of 4,871 tons.

Slab zinc was only in fair demand last week although there was a small pick-up noted over the previous week's sales. The price was firm. Stocks of zinc in the United States at the end of September amounted to 95,615 tons, compared with 122,814 a month earlier, a decline of 27,199, according to the American Zinc Institute. September shipments amounted to 69,424 tons, against 49,928 in August. Production was 42,225 against 40,960.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from October 7 to October 13, inclusive, were as follows:—

	Pigs — Per pound — New York.	E. St. Louis.	Spot. London. Per ton £	s.	d.
Saturday	$0.0550@.0555	$0.0535	*	..	..
Monday	.0550@.0555	.0535	..	..	..
Tuesday	.0550@.0555	.0535	..	..	..
Wednesday	.0550@.0555	.0535	..	..	..
Thursday	.0550@.0555	.0535	..	..	..
Friday	.0550@.0555	.0535	..	..	..

* London exchange closed.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from October 7 to October 13, inclusive, were as follows:—

	Slabs — Per pound — New York.	E. St. Louis.	Spot. London. Per ton £	s.	d.
Saturday	$0.0690	$0.0650	*	..	..
Monday	.0690	.0650	..	..	..
Tuesday	.0690	.0650	..	..	..
Wednesday	.0690	.0650	..	..	..
Thursday	.0690	.0650	..	..	..
Friday	.0690	.0650	..	..	..

* London exchange closed.

Pigments

Antimony White.—Producers continued to follow the policy of curtailing shipments and limiting sales. The nominal price remained at 12½c. to 15½c. per pound, f.o.b. Texas.

Litharge.—The demand was steady with shipments of material to battery manufacturers keeping the market in a good position. The previously quoted price was unchanged.

Lithopone.—Demand held to the previous week's level although no gains were reported in the market. The price was unchanged.

Titanium Pigments.—Sales volume so far this month was holding to record levels indicating that 1939 will be a banner year for the majority of suppliers of these pigments. Last week's sales, despite the intervention of the holiday, were excellent.

White Lead. — Unseasonably mild weather was responsible for keeping this material in a good market position. Demand was better than normal for this time of year and the price was firm.

Red Lead.—Similar to litharge, battery manufacturers were a bit more active and a fairly good tonnage of this ingredient went into consumption last week. The price was steady and unchanged at the quoted level.

Zinc Oxides.—Interest in these pigments remained at a high level and shipments into consumption were satisfactory. Prices for all grades of the pigments were steady and unchanged.

Fillers and Extenders

Barytes.—The market started to slip a bit as far as demand was concerned although several quarters believed this was due to the holiday break rather than to slackening interest. Shipments were still at a good level, however, and the price was firm.

Bentonite.—Sales volume was slightly lower than the previous week. Inquiry for the future held well, however, and the price continued firm.

China Clay.—The lump material was in good demand although no gains were registered over the figures of the previous week. The market will probably show signs of a slight slackening this week which will be normal for this time of year. The price was firm and unchanged.

Gypsum.—The market was routine with no new features making an appearance. Shipments into consumption were at previous levels and spot demand was about the same. The price was firm.

Rottenstone.—The slight pick-up in demand registered in the preceding week failed to hold during the period under review, probably as a result of the split-week. Despite the slackening, the price continued to hold to a firm level.

Talc.—Domestic material was in a bit less call following two weeks of good demand. Imported material was scarce and the price was nominal.

Tripoli.—Inquiries continued to pick-up although the spot demand was off a bit. The price was firm.

Varnish Gums

Copals.—For the first time since the beginning of the war, which prompted sharp price advances, quotations on some grades were lowered last week. Only two reductions were made, but they indicated that the general price structure might be returning to a more normal basis. Pontianak nubs were lowered ⅝c. per pound to 13¾c., while the chips were reduced 1⅞c. per pound to 9⅝c.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

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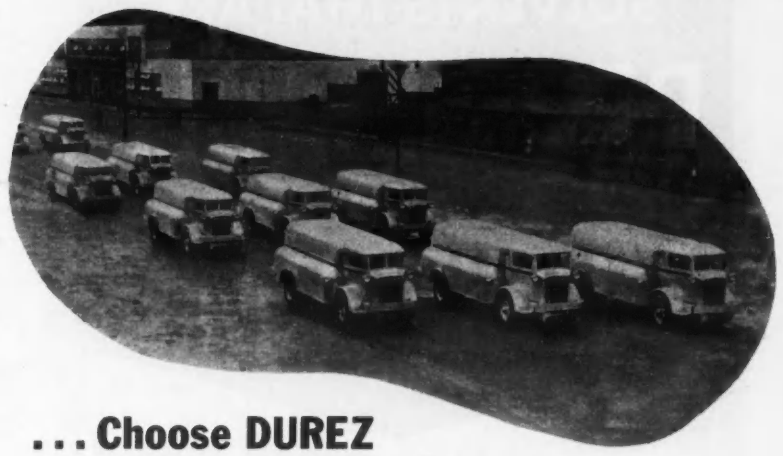

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Other grades were easier but unchanged.

Dammars.—No reductions were made during the period under review but several quarters reported there was an easing off noticed in the market. Shipments from abroad continued to be uncertain and orders were either being refused or sharply curtailed.

Synthetic Resins

No prices were revised during the period under review. There was an active interest in offerings of ester gum and shipments into consumption held to previous good levels. Despite the firmness of the market, however, major suppliers continued to offer material at 6¼c. to 6¾c. per pound in the New York area.

Dry Colors

Bone Black.—The market was steady and routine with no changes of consequence reported. The price was firm.

Carbon Black.—Tire manufacturers were a bit less active during the period under review and the tonnage shipped into consumption was somewhat less than the previous week. Sales volume this year to date was estimated to be far ahead of the corresponding period of 1938 and despite the slight slackening last week it will probably hold to good levels until the end of the month, at least.

Cadmium Red.—Demand was reported fair during the period under review following the 5c. per pound advance for all shades made the preceding week. Ton lots of the various colors were being offered as follows:—Light shade, 75c. per pound in barrels, 80c. in kegs; medium light shade, 80c. per pound in barrels, 85c. in kegs; medium shade, 85c. in barrels, 90c. in kegs; deep shade, 90c. in barrels, 95c. in kegs; maroon shade, $1 in barrels and $1.05 in kegs. The higher prices were firm.

Cadmium Yellow.—Similar to the red colors, the demand for the primrose, lemon, golden, and orange grades was only fair following the 5c. per pound advance made the preceding week. New ton lot prices were 50c. per pound in barrels and 55c. in kegs.

Carmine No. 40.—The expected 50c. per pound advance materialized last week. The new price schedule was $5 per pound for 500 pounds or more of material in one-pound containers; $4.85 per pound for 500 pounds or more in drums; and $4.95 for 100-500 pounds in drums.

Chrome Yellow. — The market was routine and quiet with the price firm and unchanged.

Iron Oxides.—The natural and synthetic colors were in somewhat less demand with quotations unchanged.

Lake Red C.—The spot demand was a bit lighter but inquiries for the future held to the previously good level. The price was steady and unchanged at the quoted figure.

Mercuric Oxides.—The technical red material remained at $2.41 per pound and major supplies of the yellow product continued to quote $2.26 per pound. Demand was light.

Ocher.—Conditions surrounding the market were unchanged during the period under review with demand and price at previous levels.

Ultramarine. — Shipments on contract continued to be made in fair volume and the price was firm for all grades.

Vermilion. — Demand was light and the price steady and unchanged at the reduced figure reported in the last issue. Material was offered at $2.70 per pound for 500 pounds or more; $2.75 per pound for 100-500 pounds; and $2.79 for smaller lots.

Bronze Powders

Demand for the majority of grades of bronze powders was a bit off during the period under review. Advances made on some grades three weeks ago did not prompt an immediate slackening of buying interest and for that reason major suppliers indicated they believed last week's slackening was probably due to the holiday break. All prices were firm.

Driers

Stearate and palmitate prices continued to be in fairly good demand during the period under review although no gains were made over the preceding week. Contracting for the final quarter of the year was still being negotiated at a satisfactory rate. Prices were firm.

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Naval Stores

Quieter conditions prevailed in southern and local markets for rosin and turpentine last week, and there were few developments of more than ordinary interest. The holiday on Thursday accounted for some of the slowing down in trade but there was also a disposition among consumers and dealers to curtail purchasing operations pending further developments in the European war situation as well as in political affairs at Washington. The tone of Southern markets was steady or firm, however, changes in quotations generally being narrow.

Although new business was quieter last week, there were reports of a steady movement into consuming channels on contracts previously placed. A development of interest was a further shrinkage in supplies of turpentine held by the CCC under loans to producers. The report of holdings on October 6 showed that stocks held at Brunswick under the 1934-35 loan had been cleaned up and that supplies at Jacksonville and Valdosta held under the 1938-39 loan had been further reduced, the total at the two points being only 32,120 barrels.

Scarcity of the low grades of rosin continued to be noted. Receipts in Southern markets continued to fall much below the movement at this time last year and there was still a tendency in some circles to regard the reduction in output for the season as compared with last year as likely to prove nearer 30 percent than the estimates current earlier in the season when comparatively few were inclined to put the curtailment of production for the current season at more than 25 percent.

CCC Loan Holdings

The following table shows the stocks of rosin and turpentine held October 6 by the CCC under loans on the 1938-39 crop:—

	Rosin		Turpentine.
	Barrels.	Drums.	Barrels.
Savannah	144,646	13,167	.....
Jacksonville ..	198,593	3,302	19,476
Brunswick	100,472	6,806	.....
Mobile	18,881	12,828	.....
Pensacola	30,356	1,562	.....
Valdosta	129,445	5,453	12,644

Turpentine.—A steady tone prevailed in the local market in the absence of wide price movements in Southern centers where offerings continued light, with the undertone apparently firm. Southern advices reported a further decrease in supplies in the hands of the government under loans to producers. Purchasing here was generally limited to unimportant quantities.

SAVANNAH, Oct. 13.—Turpentine was fairly active. Following is a record of the market for the week:—

	Cents	Barrels		
	per gal.	Sales.	Receipts.	Shipments.	Stocks.
*Saturday..	..	...	...	...	.....
Monday ...	27	31	272	179	28,570
Tuesday ...	27	8	152	65	28,657
Wednesday..	28	17	254	301	28,610
†Thursday..	..	...	...	...	.....
Friday	27	161	249	31	28,778

* No trading.
† Holiday.

JACKSONVILLE, Oct. 13.—The turpentine market had a firm undertone. Following is a record of the market for the week:—

	Cents	Barrels		
	per gal.	Sales.	Receipts.	Shipments.	Stocks.
*Saturday..	..	...	...	...	.....
Monday ...	27	95	251	...	50,859
Tuesday ...	27	100	203	232	50,830
Wednesday..	26½	100	134	166	50,798
†Thursday..	..	...	...	...	.....
Friday	26½	...	140	428	50,598

* No trading.
† Holiday.

PENSACOLA, Oct. 7.—The turpentine market was steady. Following is a record of the market for the week:—

	Barrels		
	Receipts.	Shipments.	Stocks.
Monday	60	144	19,793
Tuesday	115	...	19,913
Wednesday	70	...	19,983
Thursday	...	6	19,977
Friday	53	...	20,030
Saturday	17	...	20,047

CHICAGO, Oct. 13.—Business in turpentine is good and the outlook is considered to be for a healthy market. Volume of business being transacted curently is large. Buyers are not hesitating to place orders for substantial lots of material. Wholesale and retail divisions alike are centers of activity. Buyers are asking for prompt delivery of good-sized lots. Ruling prices at the close of business last night were:—Five-drum lots, 34c. per gallon; five wood barrels, 39c.; single drums, 37c.; single barrels, 42c.

London Turpentine Stocks

Stocks of American turpentine in London were:—

	Oct. 13.	Previous week.	Last year.
Barrels	18,777	16,824	29,508

Rosin.—The local market was quieter last week. There was nothing stimulating in the way of market developments in southern centers, and buyers here were generally disposed to limit their takings to comparatively small or moderate quantities to fill current needs. Price movements were narrow.

SAVANNAH, Oct. 13.—Changes in rosin quotations were generally within narrow limits. Following is a record of the market for the week:—

	Price per unit—Low of range quoted					
	*Sat.	Mon.	Tues.	Wed.	†Thurs.	Fri.
B	...	$3.90	$3.90	$3.90	...	$3.90
D	...	4.10	4.10	4.10	...	4.10
E	...	5.00	5.00	5.00	...	5.00
F	...	5.35	5.35	5.10	...	5.10
G	...	5.35	5.30	5.35	...	5.35
H	...	5.35	5.30	5.35	...	5.35
I	...	5.50	5.45	5.45	...	5.50
K	...	5.55	5.45	5.47½	...	5.50
M	...	5.60	5.50	5.50	...	5.50
N	...	5.65	5.60	5.55	...	5.60
WG	...	5.80	5.75	5.75	...	5.80
WW	...	6.25	6.25	6.25	...	6.25
X	...	6.25	6.25	6.25	...	6.25
	Barrels					
Sales	...	260	596	406	...	99
Receipts..	...	1,652	1,556	564	...	1,410
Shipments	...	1,053	505	9,375	...	1,492
Stocks..	...	276,716	277,767	268,956	...	268,874

* No trading.
† Holiday.

JACKSONVILLE, Oct. 13.—The rosin market was fairly active. Offerings continued light. Following is a record of the market for the week:—

	Price per unit—Low of range quoted					
	*Sat.	Mon.	Tues.	Wed.	†Thurs.	Fri.
B	...	$3.75	$3.75	$3.75	...	$3.75
D	...	4.00	4.00	4.00	...	4.00
E	...	5.00	5.00	5.00	...	5.00
F	...	5.25	5.25	5.25	...	5.25
G	...	5.25	5.25	5.25	...	5.25
H	...	5.35	5.35	5.35	...	5.35
I	...	5.50	5.50	5.50	...	5.50
K	...	5.50	5.50	5.50	...	5.50
M	...	5.55	5.55	5.55	...	5.55
N	...	5.60	5.60	5.60	...	5.60
WG	...	5.75	5.75	5.75	...	5.75
WW	...	6.25	6.25	6.25	...	6.25
X	...	6.25	6.25	6.25	...	6.25
	Barrels					
Sales	...	24	...	...	...	...
Receipts..	...	836	1,497	692	...	776
Shipments	...	...	382	309	...	1,664
Stocks..	...	330,368	331,483	331,866	...	333,978

* No trading.
† Holiday.

PENSACOLA, Oct. 7.—Rosin receipts were moderate. Following is a record of the market for the week:—

	Barrels					
	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Receipts..	230	394	120	45	180	56
Shipments	250	...	...	2,183	...	450
Stocks ..	64,131	64,515	64,635	62,497	62,677	62,283

CHICAGO, Oct. 13.—Rosin is strong and buyers appear extremely anxious to satisfy their needs promptly. There has been a far-reaching improvement in the general tone of this market recently, and buyers now are quite aggressive in their attitudes. Sellers are finding it easy to dispose of their material without delay. Inquiry is active. Ruling prices at the close of business last night were:—B grade, $6.90 per lot of 280 pounds; G grade, $8.35; M grade, $8.65; W.W. grade, $9.25.

Pine Oil.—Business continued along conservative lines, the movement of moderate quantities to local and other consumers being fair. The market retained a steady tone.

Pitch.—Quotations on spot material were generally maintained at previous levels, the tone of the market remaining firm. There was a fairly active demand for moderate lots.

Rosin Oil.—The market had a steady tone in the absence of any material change in the position of basic material in primary centers. Business here was on a moderate scale.

Tar.—Quotations were stationary, with the tone of the market steady. A fairly active inquiry was reported from local and other consumers.

Shellac

The Calcutta market was easier last week but no lower prices were put into effect. Agents of the shippers reported a slackening of business during the period, which was a probable result of the uncertainty over freight facilities and heavy war-risk insurance. In local circles, however, there was an extremely heavy demand which could be traced directly to upset conditions caused by the war. Prices were holding to high levels here, in contrast with primary markets where they advanced and then fell back. Bleachers continued to meet production problems caused by the exceptionally heavy demand here. Although they will undoubtedly be able to meet these demands in due time they are swamped with orders.

Lacquer Materials

A firm price tone characterized trading in the market for lacquer materials and solvents last week. Prices underwent no further changes from the preceding period. A brisk buying movement was still in evidence, and shipments were moving against contracts in good volume. An active export inquiry prevailed, but most sellers were inclined to take care of the heavy do-

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

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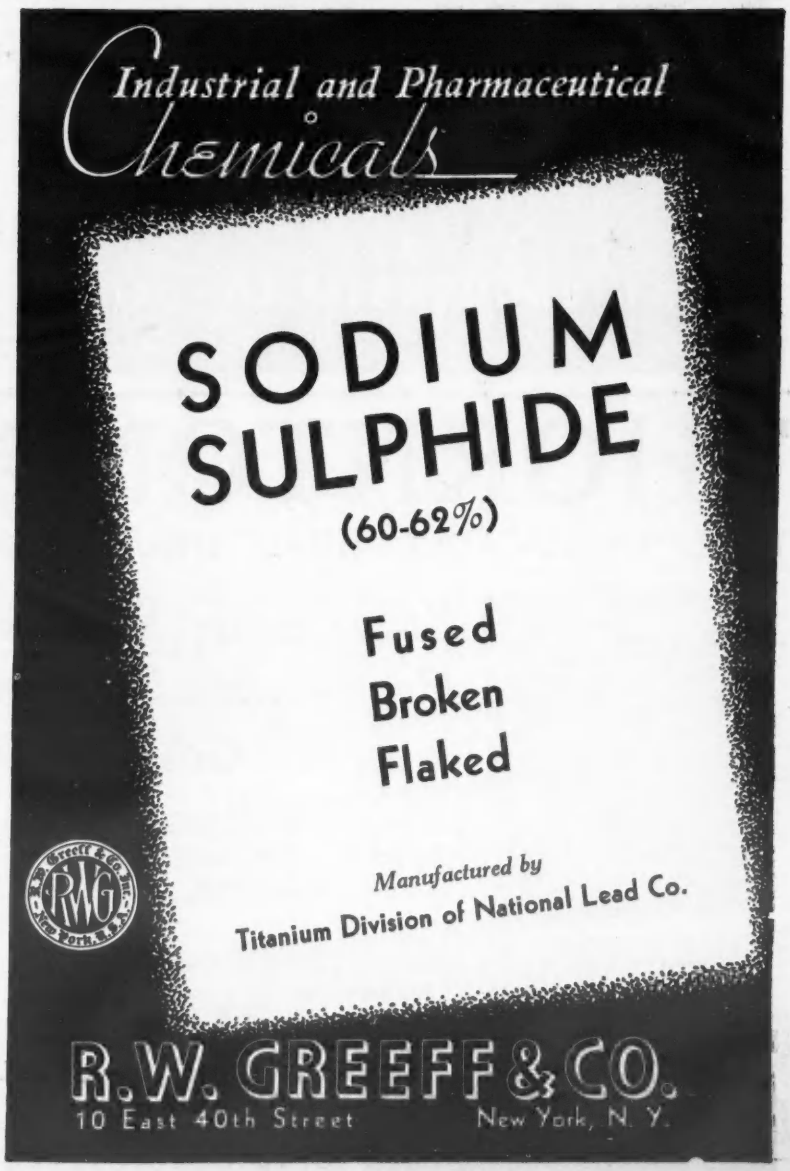

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mestic requirements for the present. New schedules were issued for cellulose acetate butyrate and propionate, which included a broader listing of the three grades, high, low and medium. Production of cellulose acetate, sheets, rods and tubes during the first eight months of 1939 amounted to 6,009,890 pounds, compared with 2,850,514 pounds in the same period a year ago, an increase of 110.8 percent, according to the Department of Commerce. Production of nitrocellulose sheets for the first eight months were 5,989,734 pounds; rods, 1,949,599 pounds, and tubes, 505,070 pounds. This compared with sheet output of 3,840,253 pounds; 1,463,947 pounds of rods in the like period a year ago.

Acetone.—Quotations held firm at the higher levels established the preceding period. Domestic and export demand was active. August exports totaled 2,731,046 pounds, valued at $157,859, of which 1,013,131 pounds went to the United Kingdom; 720,488 pounds to Japan; 138,760 pounds to Australia and 113,392 pounds to the Netherlands.

Amyl Acetate.—The market remained in a strong position. Demand was sufficient to absorb most of available quantities. August exports amounted to 9,427 pounds, valued at $1,217, of which 4,704 pounds went to Brazil and 1,760 pounds to Portugal.

Butyl Acetate.—Shipments continued to move at an active pace in this direction last week. Prices were fully maintained at the levels established recently. August exports aggregated 485,293 pounds, valued at $36,872, of which 199,647 pounds went to the United Kingdom; 97,297 pounds to Australia; 51,427 pounds to Canada; 39,780 pounds to Belgium, and 31,200 pounds to Finland.

Cellulose Acetate-Butyrate.—A new and broader listing was issued recently. Quotations follow:—High (20-40 percent butyryl content), 5,000 pounds and over, freight allowed, 45c. per pound; 1,000 to 4,900 pounds, freight allowed, 46c. per pound; 100 to 900 pounds, freight allowed, 47c. per pound, and smaller packages, works, 48c. per pound. Low (up to 9.9 percent) 5,000 pounds and over, freight allowed, 41c. per pound; 1,000 to 4,900 pounds, freight allowed, 42c. per pound; 100 to 900 pounds, freight allowed, 43c. per pound and smaller packages, works, 44c. per pound. Medium (10-19.9 percent) 5,000 pounds and over, freight allowed, 43c. per pound; 1,000 to 4,900 pounds, freight allowed, 44c. per pound; 100 to 900 pounds, freight allowed, 45c. per pound and smaller packages, works, 46c. per pound.

Cellulose Acetate-Propionate.—A new listing of prices were released by leading producers. Quotations follow:—High, 20-40 percent propionyl content, 5,000 pounds and over, freight allowed, 45c. per pound; 1,000 to 4,900 pounds, freight allowed, 46c. per pound; 100 to 900 pounds, freight allowed; 47c. per pound and smaller packages, works, 48c. per pound. Low (up to 9.9 percent), 5,000 pounds and over, freight allowed, 41c. per pound; 1,000 to 4,900 pounds, freight allowed, 42c. per pound; 100 to 900 pounds, freight allowed, 43c. per pound and smaller packages, works, 44c. per pound. Medium (10-19.9 percent), 5,000 pounds and over, freight allowed, 43c. per pound; 1,000 to 4,900 pounds, freight allowed, 44c. per pound; 100 to 900 pounds, freight allowed, 45c. per pound.

Glues and Binders

Casein.—The domestic material continued very firm at 20c. per pound for car lots of the 20-30 mesh material and ½c. per pound higher for the 80-100 mesh. Production was reported to be very low but demand last week was not as brisk as previously so that the market was not too upset by the lower output. Offerings of Argentine material were more numerous last week but still far from normal. No French casein was available.

Glues.—Both bone and hide glues quotations were very strong during the period under review. The bone glue prices had advanced strongly in previous weeks and last week gave indications of another rise. The expected increase in the hide material did not materialize but was still awaited by men in the trade.

Soybean Protein.—This material made another advance last week, the second within a period of three weeks. Car load lots were offered at 14¼c. per pound in bags, which was ¾c. per pound higher than the previously quoted figure. Smaller lots were quoted at 14½c. per pound which was an advance of ½c.

Paint Technicians To Meet October 25-27

—*Continued from page* 5

Thursday, October 26

9:30. Club papers:—
New York Club:—"The Measurement of Adhesion of Dried Coatings."
Detroit Club:—"An Evaluation of Surface Active Agents on Pigment Grinding."
Pittsburgh Club:—"The Painting of Brick Surfaces."
Baltimore Club:—"A Study of the Effect of Pigment Concentration on the Hiding Power of White Pigments."
Review of paint show.
Nominating committee luncheon.
"The Basic Economic Factors Underlying Success in Research and Development for Industry," by Dr. Keyes.
Club papers:—
Philadelphia Club:—(a) "Proximate Analysis of Hydrocarbon Thinners"; (b) "Prosposed Pictorial Standards for Designating Degrees of Failure of Organic Films." Part I.
Golden Gate Club:—"Primers for Non-Ferrous Metals."
Los Angeles Club:—"'A Viscosity Reduction Method' for Commercial Evaluation of Hydrocarbon Solvents for Synthetic Varnish Resins."

Friday, October 27

9:30 a.m. Club papers:—
C.-D.-I.-C. Club:—"A Study of Bodying Dehydrated Castor Oil with Other Oils."
Presentation of papers submitted for federation awards.
Fellowship paper, University of Michigan.
President's annual report, A. E. Stauderman.
Secretary's report, G. B. Heckel, *Drugs, Oils & Paint*, Philadelphia.
Treasurer's report, C. W. Clark.

Afternoon Session

2:00 p.m. Open Forum—Plant managers' committee.
6:00 p.m. Paint show closes.
6:30 p.m. Annual banquet.
Installation of newly elected president.
American Paint Journal awards.
Drugs, Oils & Paint awards.
National paint bulletin awards.
Toronto golf trophy award.
Entertainment.

N.P.V.L.A. Day Oct. 31 At San Francisco Fair

OPD Washington Bureau
October 11, 1939

Ernest T. Trigg, president of the National Paint, Varnish and Lacquer Association, in a letter mailed to the members of the industry today, announced that through special arrangement with the San Francisco Exposition board of management, which has found it necessary to formally close the exposition on October 29, the exposition will be opened exclusively for one day, October 31, for those attending the annual convention of the National Paint, Varnish and Lacquer Association.

THORNTON

FULL REMOVABLE HEAD DRUMS

LUG TYPE

Recommended up to 15 gallon size. Rubber gasket makes this a safe container for solids, semi-solids and liquids.

Solve Your Shipping Problems with These Rugged Containers!

The experience of hundreds of shippers in thousands of shipments has proven the unfailing dependability of these reliable containers.

There is a full line of Thornton Containers from 1 to 70 gallons.

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Has simple and secure bolt fastener. Available in sizes up to 70 gallons. Lugs are mechanically interlocked with ring.

Write for Information and Prices

THE F. C. THORNTON CO.

6712 UNION AVE., CLEVELAND, OHIO

Tung Oil Shipments Oct. 6 Total 2,132 Tons

—*Continued from page 5*

at the end of September were estimated to be about 9,870 short tons.

According to a radiogram transmitted by the American Consulate General at Hong Kong, tung oil prices showed a further increase, and quotations for the oil at the end of September were 150 Hong Kong dollars per picul. Stocks of oil held by independent dealers were estimated at 200 tons, whereas about 2,000 tons of oil were held by Chinese Government agencies.

The report further stated that an average of only 15 tons of oil were arriving at Hong Kong by way of Kwongchowwan and Haiphong for the use of dealers. In addition there were some 800 tons of oil held up at Haiphong because of a disagreement regarding the payment of taxes. Exports of tung oil from Hong Kong in August totaled 3,758,393 pounds, of which 3,083,762 pounds were consigned to the United States, and the remaining 674,631 pounds to Europe. The European buyers were France, Germany, United Kingdom, Finland, and Denmark.

Louisville P.V.P. Club Hears Talk on Oils

An address on "Latest Developments in Drying Oils," by Dr. Otto Eisenschiml, of the Scientific Oil Compounding Company, Chicago, was the feature of the first Fall meeting of the Louisville Paint and Varnish Production Club. The speaker paid particular attention to oiticica oil, explaining its treatment and utilization with panels and formulas. Comment on linseed, soybean, perilla, hempseed, sunflowerseed, and chinawood oils also was made by the speaker.

Members of the Louisville Paint, Varnish and Lacquer Association met with the production club, a total of fifty-six persons attending. Dr. Eisenschiml's paper was discussed by a number of those present.

Ben Rabin, for the technical committee, reported completion of the club's paper, "The Effect of Resins on the Kauri Reaction," which will be presented at the annual meeting of the Federation of Paint and Varnish Production Clubs. A. E. Stauderman, who is president of the federation, told about the convention program and other attractions.

Otto Mileti reported that arrangements had been completed for the year's evening course in paint technology at the University of Louisville.

Stroock & Wittenberg to Build Resin Plant in Pensacola, Fla.

The Stroock & Wittenberg Corporation is building synthetic resin manufacturing plant in Pensacola, Fla. The Southern plot, similar to the new alkyd resin plant being erected by the company in Newark, N. J., is strategically located, having its own railroad siding and having deep water accommodations. Laboratory facilities are being enlarged to guide the more extensive and diversified production schedules; and ample land for further contemplated expansion has been provided at both places. All construction is being pushed as rapidly as careful planning will allow. When the two new factories are in operation, the present facilities of the corporation will be well supplemented, not only for the making of synthetics, but also for the processing and refining of naturals and the consummation of allied developments, several of which are already beyond the research stage.

Bentonite Clay Mining Denied Wage-Hour Exemption

OPD Washington Bureau
October 9, 1939

The application of the open-cut clay mining industry for seasonal exemption from the maximum hours provisions of the Fair Labor Standards Act of 1938 under section 7 (b) (3) of the act was denied today with respect to the open-cut mining of bentonite clay, in a finding and determination signed by Harold Stein, assistant chief of the hearings and exemptions section of the Wage and Hour Division.

The mining of bentonite clay, used chiefly for rebuilding foundry sands, for synthetic foundry sands and for oil-well drilling muds, is not a large industry, Mr. Stein reported in his findings. Two of the three petitioners, the American Colloid Company and the Wyodak Chemical Company, representing most of the production of bentonite clay within the Wyoming-Dakota area, engage in both excavating and milling operation, and the third petitioner, the Silica Products Works, engages only in milling operations.

Monsanto Plastic Molding Salesmanager Lichtenberg

Charles Lichtenberg, vice-president and sales manager of Resinox Corporation, subsidiary of the Monsanto Chemical Company, has been appointed sales manager of all plastics molding materials produced by the company. Mr. Lichtenberg's office will be transferred from Rockefeller Center to the company's headquarters at Springfield, Mass.

Charles Lichtenberg

Born in Brooklyn, Mr. Lichtenberg became affiliated with the technical sales staff of the Commercial Solvents Corporation. Upon the merger of the Rossville Alcohol Company with Commercial Solvents in 1933, Mr. Lichtenberg was named Eastern sales manager of Rossville Alcohol, and in 1934 he was named manager of Eastern alcohol sales for Commercial Solvents Corporation, holding that position until 1937 when he was made vice-president and sales manager for the Resinox Corporation, which organization was then owned jointly by Commercial Solvents and the Corn Products Refining Corporation.

In 1939 the Monsanto Chemical Company purchased the Resinox organization, retaining Mr. Lichtenberg as vice-president and sales manager. Mr. Lichtenberg is a former president of the Salesmen's Association of the American Chemical Industry, and a member of the American Society for Testing Materials, and the Chemists' Club, this city.

Other changes in the sales department effected S. A. Bell, assistant sales manager in charge of plastic sheets, rods and tubes, and K. J. Eklund, assistant sales manager of cast phenolic plastics, also have been made sales managers of their divisions. S. L. King has been appointed sales manager for Monsanto 'Vue-Pak.' The promotions of Mr. Bell and Mr. King fill vacancies created by the advancement of F. A. Abbiati to assistant general sales manager of the plastics division. Mr. Eklund's position is newly created.

C.-D.-I.-C. Club Hears C. E. Foss on Colors

Cincinnati, Oct. 10, 1939

The Cincinnati-Dayton-Indianapolis-Columbus Paint and Varnish Production was addressed at a meeting in the Cincinnati Club October 9 by Carl E. Foss, of the research laboratories of the Interchemical Corporation, New York, on "The Analysis and Specification of Color in Industry." He supplemented his talk with the company's industrial technicolor motion picture.

Peck Joins Paint Div. Of Pittsburgh Plate Glass

Pittsburgh, Oct. 10, 1939

Elbert D. Peck, former first vice-president and general manager of the Devoe & Raynolds Company, this city, has become associated with the paint division of the Pittsburgh Plate Glass Company. Mr. Peck will have headquarters at the general office of the Pittsburgh Plate Glass Company at Pittsburgh. He will be detailed to special activities.

Elbert D. Peck

Mr. Peck has been active in the paint industry since 1907. During the past thirty-two years he has held various executive positions, first with the Acme White Lead & Color Works, and then with Devoe & Raynolds, which Mr. Peck joined on receiving his honorable discharge from the Army in 1918. In 1923 Mr. Peck was made director of sales of Devoe & Raynolds and a year later became vice-president and general manager.

U. S. Graphite Company stockholders have been called for a meeting October 20 to ratify proposal for reduction of par value of common stock from $10 to $5 and issuance of two new shares for each old share.

Argentine Tariff Pact To Be Argued Oct. 16

—*Continued from page 3*

Gas By-Product Coke and Chemical Workers.
Greater North Dakota Association, John L. Coulter.
Representative Richard M. Kleberg of Texas.
National Linseed Oil Manufacturers' Association, J. D. Craig.
Representative Milton H. West of Texas.

Glycerin
Association of American Soap and Glycerin Producers.

Quebracho Extract
Champion Paper & Fiber Company.
Endicott-Johnson Corporation.
International Shoe Company.
Kistler Leather Company.
Leas & McVitty, Inc.
United States Leather Company.

Surgical Dressings, Toothbrushes
Johnson & Johnson.

Tallow, Oleo, Oleostearin
Association of American Producers of Domestic Inedible Fats.
Domestic Fats and Oils Conference, F. B. Wise.
Rich Products Corporation, William S. Culbertson.

Dowd Joins Certain-Teed Corp.

Hector J. Dowd, assistant regional administrator of the New York regional area for the Securities and Exchange Commission has resigned to become comptroller for the Certain-Teed Products Corporation, this city. He has been with the commission since 1934.

THE BRADLEY STENCIL MACHINE

MACHINES TO CUT ½ in., ¾ in. 1¼ in., 1½ in. LETTERS

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A. J. Bradley Mfg. Co.
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STRONG - INERT - PERMANENT

C K WILLIAMS & COMPANY
EASTON·PENNSYLVANIA

Kluth Made President Of Philadelphia Paint Club

The Philadelphia Paint, Varnish and Lacquer Association held its annual meeting and election of officers in the main ballroom of the Warwick hotel, October 4, with an attendance of over one hundred members and guests. A special feature of the occasion was the entertainment as guests of the clubs' "Fifty Year Club," comprising the fourteen living club members who have been engaged in the paint business for fifty years or more.

The members of this honorary fraternity, together with their year of entry into the business, includes Samuel B. Bowen, 1872; David G. Yarnall, 1874; Edward F. Beale, 1875; Rushton Marot, 1880; Walter B. Develin, 1884; F. W. Grube, 1884; A. H. Kennedy, 1884; Charles S. Burk, 1887; George B. Heckel, 1887; W. S. Clement, 1888; J. Sibley Felton, 1888; Winfield H. Mayer, 1888; Harry H. Loewenstein, 1888; and William B. Wallace, 1889.

William H. Jarden, jr., chairman of the nominating committee, presented the following slate of officers for the ensuing year, who, upon motion, were unanimously elected:—

President, Harry R. Kluth, of the Pittsburgh Plate Glass Company; first vice-president, Howard W. Hock, of the Hock Paint & Chemical Works; second vice-president, W. A. Gorrell, of John Lucas & Co., Inc.; treasurer, S. French Reeves, of the John T. Lewis & Bros. Company; secretary, G. B. Heckel, of *Drugs, Oils and Paints.*

Executive committee, Samuel R. Matlack, H. S. Felton, C. P. Jarden, Gilbert Spruance, C. P. Morris, T. A. Bruder, H. R. Dowdy, J. V. Hastings, jr., Wm. MacKnight, H. E. Rhell, J. H. Stutt and H. B. Almond.

Julsrud Heads Chicago N.D. Paint Chemists Club

The North Dakota Paint Chemists Club of Chicago, formed by graduates of the chemistry department of North Dakota State College who are now engaged in the paint industry in or near Chicago, has elected H. S. Julsrud, of Proctor & Johnson, as its first president. Other officers are:—Vice-president, C. J. Berrigan, of E. I. duPont de Nemours & Co., Chicago, has been named secretary-treasurer.

The club, an outgrowth of a monthly luncheon and social meeting of the group since last May, is sponsoring a get-together luncheon October 26 for graduates of North Dakota State College who will be in attendance at the annual convention of the Federation of Paint and Varnish Production Clubs, to be held in the Stevens hotel, October 25-27. Attending the initial meeting of the club were:—

C. A. Bowman and H. H. Zimmerman, of the Illinois Paint Works; W. J. Zimmerman and C. Walde, of the Tousey Varnish Company; H. E. Spitzer, L. W. Neuman, G. E. Knudson, and O. Jagd, of the Sherwin-Williams Company, Kensington; F. E. Seebart, Chicago; C. L. Rydstrom, of the Rockford Varnish Company; H. D. Rasmussen, of Benjamin-Moore Company; N. E. Olson and H. Nielson, of the Steen Varnish Company; C. D. Oliver, of the R.-B.-H. Lacquer Base Company; G. A. Nichols, of the Barrett Varnish Company, and R. E. Millard, of the Aluminum Company of America.

L. H. Herr Made President Of Colorado Paint Club

Colorado Paint, Varnish and Lacquer Association, at its annual meeting in the Lakewood Country Club, Denver, elected L. H. Herr, of the Herr Brokerage Company, as president. Other officers elected were:—Vice-president, A. Will Mayer, of the Flovman Paint Company; secretary, R. J. Foley, of the Sherwin-Williams Company, and treasurer, Harry A. Barton, of the Mountain & Plain Paint Company.

Nitrate Film Data Given

The properties and method of using "Filac," clear nitrate film, produced by Horn, Jefferys & Co., are presented in a leaflet recently issued by the company. In addition to discussing the solubility, color, viscosity and packaging, the bulletin comprehensively describes the manner in which the nitrate film may most easily be dissolved for the manufacture of lacquers, airplane dopes, fabricated leathers, cements, plastics and wall paper coatings. Copies of the leaflet may be obtained by addressing Horn, Jefferys & Co., Burbank, Calif., mentioning the REPORTER.

Paint and Varnish Exchange To Meet October 17

The Paint and Varnish Exchange Club will meet October 17, in the Brooklyn Engineers Club, 117 Remsen street, Brooklyn. The speaker will be Robert A. Allen, of the Nuodex Products, Inc., Elizabeth, N. J., who will talk on "Security with 'Nuodex.'" Discussion of the progress of the licensing law for master painters and decorators, etc., and the movement in New York in this direction will be open to the members and guests from the floor.

Pearce Made Sales Head Of Ferbert-Schorndorfer

Cleveland, Oct. 13, 1939

M. J. Pearce, formerly director of technical service of the Glidden Company here, has been named sales manager of Ferbert-Schorndorfer Company, paint manufacturers, this city. Mr. Pearce, was graduated from University of Illinois in 1920 and became associated with the Glidden Company. He was in charge of the technical division of the industrial sales department in Cleveland until 1928 when he became manager of the company's Chicago office. From 1931 until 1938 he was stationed in Reading, Pa., as Eastern district sales manager, returning to Chicago early this year as director of technical service for the entire Glidden Company.

Wesco Names Burnham New England Sales Head

Lyndon B. Burnham has been made New England sales manager for the Wesco Waterpaints, Inc., of Massachusetts. Mr. Burnham, a former salesman in the New England district, will make his headquarters in East Boston. Henry Lee Royer has been named to the sales staff of the New England district. Rico Matera has been transferred to the Chicago office from the New England sales staff.

Lane Renamed President Of New England Paint Club

Paint and Oil Club of New England has re-elected Franklin J. Lane as president. Other officers re-elected were:—Vice-president, George A. Coleman, secretary-treasurer, William G. McIntyre.

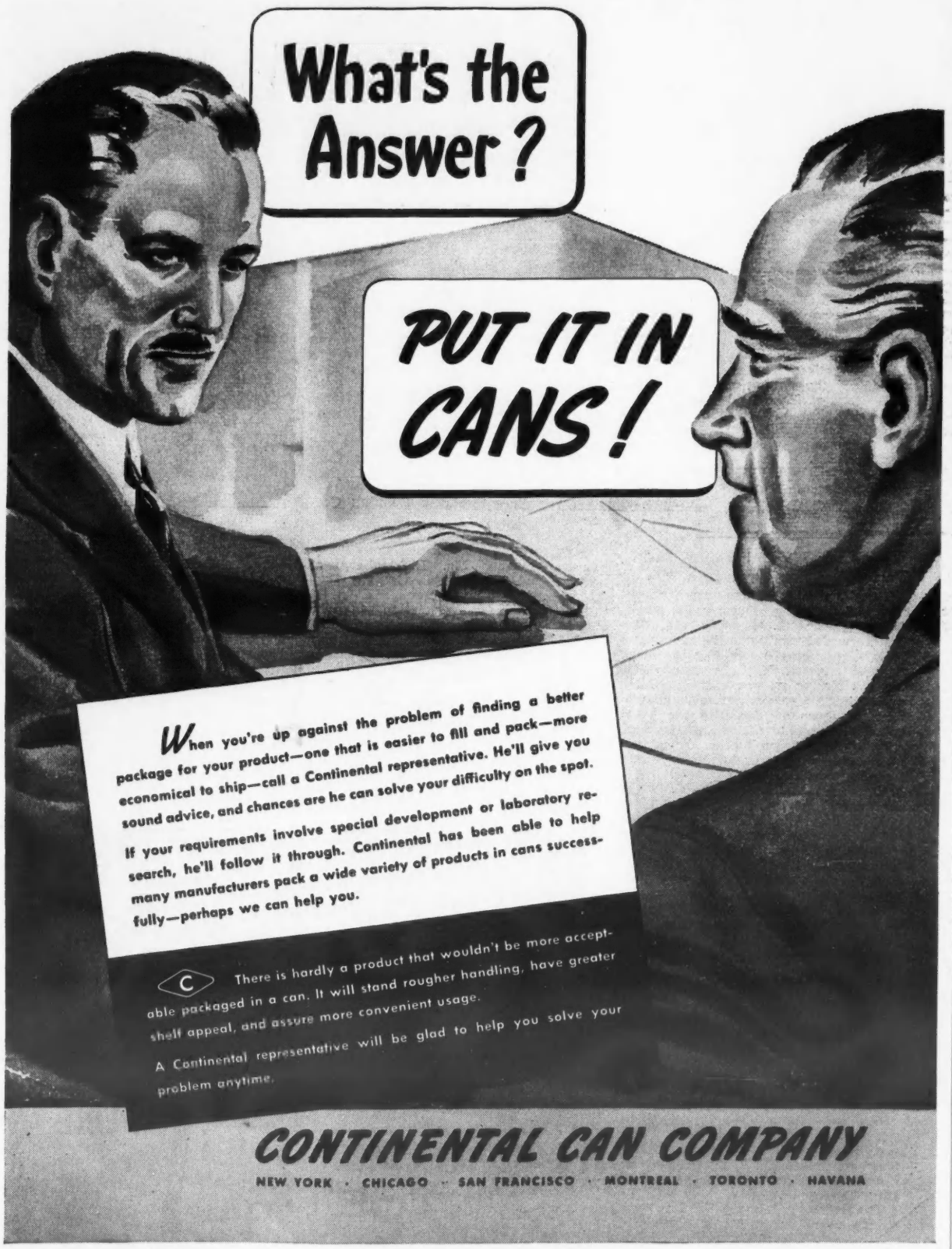
Balto. Production Club Discusses Hiding Power

Baltimore, Oct. 12, 1939

The Baltimore Paint Production Club, at its October meeting held in the Stafford Hotel, was addressed by J. Mullen of the Eagle-Picher Lead Company, who read a paper on "Hiding Power." The club paper, dealing with the same subject, which will be read at the convention of the National Federation of Paint and Varnish Production Clubs, was presented by Elmer Schuler, chairman of the technical committee.

Hughes Paint Company, Los Angeles, had a loss estimated at $100,000 in a recent fire, which started in a varnish kettle. Fowler Van Dyke, chemist for the company, and Arnold Pratt, his assistant, were seriously burned.

Organic insecticides are discussed with reference to their toxicity to coddling moth larvae in a new circular of the Bureau of Entomology and Plant Quarantine, by E. H. Siegler, F. Munger, and L. E. Smith. Copies of the circular (Cir. 523C) may be purchased from the Government Printing Office, Washington, at 5 cents each.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Paint Industries Show Exhibitors

Stevens Hotel, Chicago

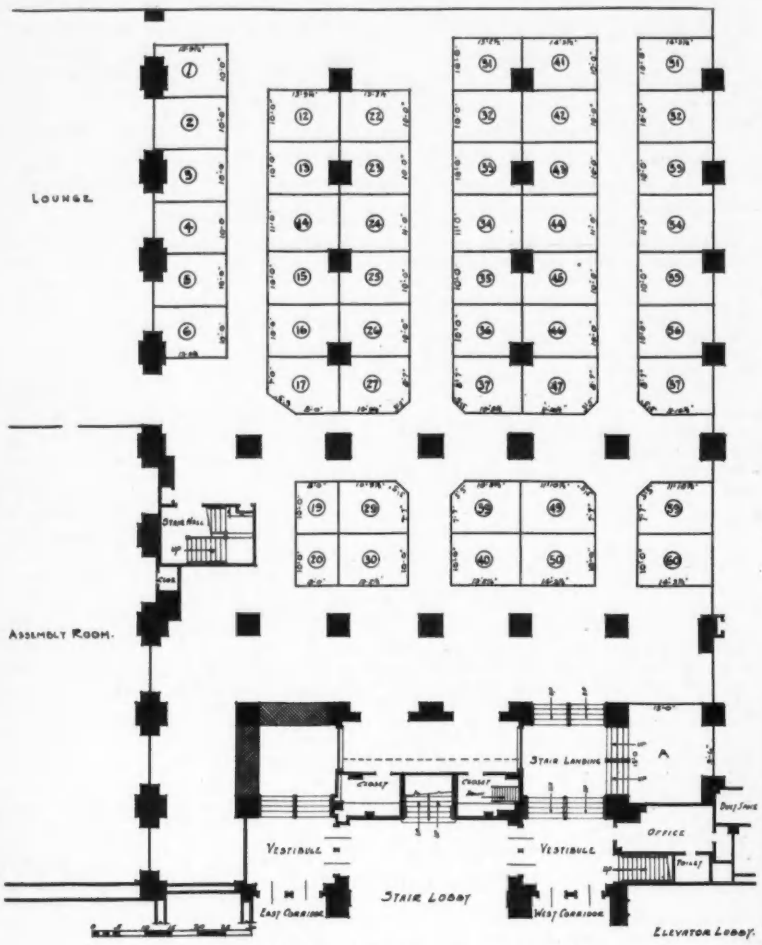
October 25 to 27, 1939

American Cyanamid & Chemical Corporation

Booth 5

The American Cyanamid & Chemical Corporation will include in its exhibit those products which it manufactures for consumption in the protective coatings industries. Prominent among these items will be a display of samples of "Rezyl" resins and "Teglac" ester gums. J. McE. Sanderson, M. J. Wixson, W. F. Whitescarver, L. M. Rice, Wayne Morris, and various Western representatives will be present at the display.

an enamel having a longer brushing time and smoother film. The exhibit, which was prepared under the auspices of C. H. Dresser, director in charge of industrial naphtha sales, is under the supervision of D. D. Rubek, head of technical service. R. E. Johnson, F. C. Nicholson, and other members of the technical and sales staffs of the Anderson-Prichard company, will also be present at the exhibit.



Plan of Paint Industries Show Exhibits

American Gum Importers Association

Booth 1

This exhibit will consist of a display of Manila, Congo, and kauri copals, and dammar and East India resins with their applications in traffic paints, lacquers, and varnishes, alone and in combination with synthetic resins. A new publication, the "Natural Resins Handbook," will be distributed at the display. Also shown will be some of the service activities, such as kauri butanol solutions, kauri turpentine, and run kauri standards for testing solvents and varnishes, offered by the association. Dr. C. L. Mantell, director; J. H. Holzberger, and C. W. Kopf will be in attendance at the booth.

Anderson-Prichard Oil Corporation

Booth 15

A test of thinners for brushing enamels is shown in this exhibit. Enamels, thinned in one case with mineral spirits and in another with "Apco 125," are applied to a metalized paper in equal film thicknesses and drawn over a platform at constant speed. At various intervals metal combs are drawn through the films, to indicate the leveling time of each. The demonstration shows that "Apco 125" thinner produces

Archer-Daniels-Midland Company

Booth 24

Drying oils for the formulation of paints and varnishes are the subject matter of the Archer-Daniels-Midland Company exhibit. Among the items included in the display is "Admolene," a new, fast bodying linseed oil. Complete information concerning the new product will gladly be furnished by the company representatives at the booth.

Atlas Electric Devices Company

Booths 31 and 32

A "Weather-Ometer" for accelerated laboratory weather tests and a "Fade-Ometer" for accelerated sunlight tests will be displayed by the Atlas company. A collection of tested specimens produced on these testing machines forms an important part of the display. Operation of the machines will be explained by representatives at the exhibit.

Bakelite Corporation

Booths 40 and 50

The recent developments in synthetic resins for protective coatings will be shown in the exhibit planned by the Bakelite Corporation. Of particular interest will be the new polybasic acid resins and oil-soluble styrene resins, the use of phenolic resins in specification paints, and Bakelite resins in tung oil alternatives. A large array of sample enamels and test panels will also be displayed. Members of the Bakelite Corporation's technical staff who will be in attendance at the exhibit are Howard Smith, E. H. Gross, C. R. Given, R. A. Brenneck, R. J. Moore, V. H. Turkington, W. H. Butler, C. M. Rice, R. W. Matthews, J. O'Neill, Allan Brown, and Gordon Brown.

Binney & Smith Company

Booth 30

The Binney & Smith display will feature high color blacks for the paint industry, with special emphasis on the beaded blacks. Three grades of beaded blacks for the paint industry will be shown: Neo Spectra Beads, Superba Beads, and Excelsior Beads. The Mapico Pigment Department will show the practicability of the use of Mapico yellows and other pigments in protective coatings. The booth will be attended by L. J. Venuto, J. W. Snyder, and Allen Bryant of the technical staff; J. M. Hamilton, J. T. Kealy, J. R. Keating, and R. Marston of the sales staff; and K. E. Burgess of the technical department of the Magnetic Pigment Company.

Bramley Machinery Corporation

Booth 46

The exhibit of the Bramley corporation will consist of a regular production size Bramley mill, a laboratory size Bramley mill, and two large tabloids showing a modern installation of fifteen Bramley mills in a straight line production system. The display conveys in a practical manner the construction and performance of Bramley mills and emphasizes their economy in the production of paint products. Donald Fitzgerald and B. M. Halpern, vice-president and general manager, will represent the company at the show.

Burt Machine Company

Booth 47

The Burt Machine Company will have on exhibition a new model high speed, wide range, quick change, adjustable labeler for cylindrical containers. One model handles all sizes from the quarter pint to the gallon; while another from the quarter pint to the quart size. They are especially designed for quick change-over and high speeds. In attendance at the exhibit will be H. A. Miller, general manager, and F. G. Rogers and W. A. Stockinger, middlewest representatives.

Dicalite Company

Booth 22

Dicalite L Grade will be the important product exhibited by the Dicalite Company in its display. This is a finely divided white material used extensively as a flatting agent and extender in pigmented paint products. In addition there will be shown Dicalite White Filler, Dicalite PS Grade, Dicalite No. 1 Grade, and various of the Dicalite filteraids. Ready to answer questions of visitors to the exhibit will be H. W. Hall, manager of paint products; E. C. Burwell, paint products technician; H. H. Bliss, chemical engineer; G. A. Russell, Kansas City district manager; H. H. Strietmann, Cincinnati district manager; and A. G. Frankenhoff, Eastern division manager.

WE'LL BE SEEING YOU at the PAINT SHOW in Chicago
WILSON & BE
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• The "Welcome Mat" is out at our headquarters at the Stevens, Chicago (October 25-27).
—And don't fail to visit our exhibit (Booth No. 36) of Modern Steel Pails and Drums for all Paint Products.
Let us show you how BENETCO STEEL PAILS and DRUMS can help you insure ECONOMICAL PACKAGING, COMPLETE PRODUCT PROTECTION, and PROFITABLE ADVERTISING.
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Sales Offices and Warehouses in Principal Cities
STEEL BARRELS, DRUMS and PAILS
½ to 65 Gal. Sizes
A style and size for every practical requirement.
WELCOME

Dow Chemical Company

Booth 33

"Ethocel," its production, characteristics, and use, will be treated in the booth of the Dow Chemical Company. Lacquers and varnishes including "Ethocel" in their formulation will be prominently displayed. The behavior of "Ethocel" when combined with various percentages of other materials will be shown by a huge trilinear curve on a black board supplementing the booth. Representing the Dow Chemical Company at the show will be C. S. Shoemaker, manager of Ethocel sales; J. L. Sherk, technical representative; and O. D. Blessing, C. E. Sanford, W. R. Dixon, and E. R. Haines, sales representatives.

Falk & Company

Booth 6

An exhibit of "Falkovar" fish and soybean oils, together with panels representative of the many applications of these oils in paints, varnishes and enamels will be shown by the Falk company. The entire exhibit emphasizes the quality of the Falk products, as exemplified in the large reproduction of the trademark of Falk & Company which dominates the booth. Officials of the company who will be in attendance to explain the uses of "Falkovar" fish and soybean oils in the protective coatings industries are:—Louis J. Reizenstein, president; David Lewis, vice-president; Karl Engerud, chief of technical staff; James M. O'Hara, and Chan Withington.

Foundry Supplies Manufacturing Company

Booth 35

The Strainer and Sifter division of the Foundry Supplies Manufacturing Company will display several straining machines of its manufacture, featuring the Rotoplane Speed Strainer. The Rotoplane is so designed as to give uninterrupted high-speed straining of paints, varnishes, enamels and lacquers, and is for use in connection with high-speed filling and capping apparatus. It is equipped with a new type of self-cleaning, non-clogging sieve. The representatives at the booth will be H. V. Adams and T. W. Dunn.

General Electric Company

Booth 37

Paramount in the display of the General Electric Company will be a large glass tube containing Glyptal resin, which, driven by a motor, will describe a half-turn two or three times a minute. Between these turns a bubble will rise from the bottom to the top of the tube. As the bubble hits the top of the tube a chime will sound. In charge of the General Electric booth will be J. E. Russell, P. E. Doell and C. H. Gross. Various other representatives will also be present to greet visitors.

General Naval Stores Division

Booth 34

The display of the General Naval Stores division of Newport Industries, Inc., will be concerned with the varieties of rosin and turpentine produced by the company for use in paints and varnishes.

Great Western Manufacturing Company

Booth 12

A Type V Combs gyratory liquid screening and straining machine will be in actual operation at the exhibit of the Great Western Manufacturing Company. This machine, which is applicable to the straining of paints, shellacs, enamels, clay fillers and many other liquid and dry products, suspends from a single point and weighs but 100 pounds. It operates with a gyratory and vibratory motion produced by a vertical motor and unbalanced arrangement. J. E. Baker, secretary of the Great Western Manufacturing Company, will represent the concern at the display.

Hercules Powder Company

Booths 3 and 4

The Hercules Powder Company has built its display around the theme of "How Hercules Serves the Protective Coating Industry." Exhibited will be various cellulose products for use in the quick-drying finishes and a complete line of naval stores solvents and special resins for use in protective coatings. An outstanding feature will be apparatus set up to record the conversations of visitors to the booth. The record will be given as a souvenir. Among those who will attend are Paul Mayfield, Fred Hogg, J. M. Schantz, George O'Brien, M. G. Milliken, J. B. Wiesel, J. H. Rile, A. R. Olsen, Phil Robb, W. M. Billing, F. G. Oswald and M. R. Budd.

Johns-Manville Corporation

Booth 49

The steps in making varnishes and lacquers of varying degrees of flatness with Celite 165-S will be the theme of the Johns-Manville exhibit. On one bench mill pastes made from several basic types of varnishes and lacquers, as well as finished products from each, will be shown. At another bench a glossometer will enable visitors to see on test panels the range of flatness possible with Celite 165-S. First showing of the complete line of Celite extenders will be included in the display, as will the line of Celite filter-aids for clarifying varnishes and oils. Company representatives at the exhibit will include C. J. O'Neil, R. E. Parry, J. W. Plauka and T. H. Ludlow.

Kent Machine Works

Booth 57

The Kent Machine Works will include in its display a high speed roller mill of the latest design, a laboratory mill of the three roller type, and a model of the can mixer manufactured by the company. The exhibit will be in charge of Elmer P. Peters, vice-president, who will be assisted by Fred Weitzner. James W. Kent, president, also expects to attend.

J. M. Lehmann Company

Booth 17

An entirely new laboratory mill, having three rollers, each four by eight inches in dimension, will be shown at the booth of the J. M. Lehmann Company. Representative of the series of modern high speed roller mills manufactured by the company will be a type 3A mill for grinding paints and pigments. E. E. Mueser, president, and Hugh Kelly, sales representative, will be at the display to discuss the equipment.

National Carbon Company

Booth 26

This company will exhibit and demonstrate the National Model XI-A accelerated testing unit. In addition there will also be on display a comprehensive set of test panels of paints and lacquers comparing the results of outdoor tests with those made on the National unit. A. L. Munson, A. M. Ackley, and G. H. Mayer, jr., will represent the company at the exhibit.

New-Way Canning Machines Company

Booth 44

A model of the P-G labeling machine produced by the New-Way Canning Machines Company will be on display in the booth of that company. The P-G model labeler is so designed that it can be used to label the entire range of cans used by the paint manufacturer from one-quarter pint to one gallon in capacity, either of standard U. S. or Imperial measure. The machine may be changed over from one size can to another in less than ten minutes time. The exhibit of the company will be in charge of C. H. Hesson and A. G. Moul.

Nuodex Products Company

Booth 16

The Nuodex company will feature in its exhibit "Nuade," demonstrating the advantage of its use in the grinding of paste paints. Flanking the "Nuade" display will be the improvements which Nuodex has made in naphthenate drier technology year by year. Also in the exhibit will be shown the "security agents" which Nuodex has developed and manufactures. These materials are added in small quantities to paint materials to prevent certain undesirable characteristics of paints from appearing during their storage, or during the drying of paint films. Nuodex will be represented by H. M. Johnson, vice-president in charge of sales; Arthur Minich, vice-president in charge of manufacturing; Robert A. Allen, chief chemist; and Ray I. Kellan, representing Nuodex Products, Ltd., of Toronto, Canada.

Owens-Illinois Can Company

Booths 19 and 20

The extensive line of paint containers offered by the Owens-Illinois Can Company will be displayed at the exhibit of that company. Packaging problems may be discussed with the several company representatives who will be in attendance at the display.

Paramet Chemical Company

Booth 2

A display of "Esterol" alkyd and other synthetic resins has been prepared for the exhibit of the Paramet Chemical Company. Several company representatives will be in attendance at the booth to discuss synthetic resins and their use in paint formulation.

Pure Calcium Products Division

Booths 59 and 60

The Diamond Alkali Company, Pure Calcium Products Division will have on display demonstrations of numerous practical applications of the advantages that may be obtained by the use of Surfex in various types of paint formulations. In addition to the regular Surfex, panels showing the outstanding features of a number of new products manufactured by the producers of Surfex will also be on display. Ralph W. Craig and Charles W. Blacketer will be at the booth to discuss the features of the special calcium carbonates with convention visitors.

Reichhold Chemicals, Inc.

Booth 27

The Reichhold exhibit will feature samples of their chemical color line, as well as all of the various types of synthetic resins, including alkyds, phenolics, ester gum, urea-formaldehyde, processed copals, and synthetic oils. Attending the convention will be H. Reichhold, president; C. J. O'Connor, vice-president; and S. H. Stewart, O. F. Johnson, G. E. Cortiss, W. W. Klug, G. C. Brandt, W. J. Deeks, R. H. Coerdt, W. H. Hasse, and P. L. Swisher, sales manager.

Resinous Products & Chemical Company

Booth 29

"Duraplex" alkyd resins will be featured in the exhibit of the Resinous Products and Chemical Company. Samples representative of the very complete line of these resins will be displayed. E. C. B. Kirsopp, vice-president; Dr. W. T. Pearce, L. Klein, Dr. C. F. Pickett, C. W. Cooke, G. T. Sohl and Dr. J. Toussaint intend to represent the Resinous organization at the show.

Shell Petroleum Corporation

Booth 39

Petroleum naphthas and the part they may play in gum formation, livering, and discoloration of paints and enamels when not of the highest purity will be shown at the display of the

—Continued on page 67

VISIT BOOTH 22

at the Paint Industries Show

and SEE the DICALITE EXTENDERS and FLATTING AGENTS for the "PAINT and VARNISH INDUSTRY of TOMORROW"

DROP in for a few moments to discuss with us the value and advantages of using DICALITE in your Paints (House and Flat Wall), Varnish, Lacquer, Eggshell Enamel, Undercoaters and allied products. At the same time we'll tell you about the value and economy of DICALITE FILTERAIDS for filtering oils, varnish, lacquer, resins, etc.

THE DICALITE COMPANY
520 N. Michigan Ave. CHICAGO
120 Wall St. NEW YORK
756 S. Broadway LOS ANGELES
PRODUCTS OF UNIFORM SUPERIOR PERFORMANCE

Oils, Fats, and Waxes

Government Cotton Crop Estimate Reduced 452,000 Bales —Moderate Changes in Cottonseed Oil Prices—Flaxseed Estimate Increased — Chinawood Oil Firm — Animal Oils Down

Quotations on miscellaneous oils, fats and greases had a downward trend last week, supplies of various vegetable, animal and fish products being available at concessions. Business showed a further contraction. Many firms were still well employed with deliveries on contracts previously placed, but the volume of new orders received was smaller than in the previous week, the peace moves in Europe making consumers disposed to hold off for further developments.

Offerings of many domestic and imported commodities were light, and late in the week the tone of the market in general appeared to be steady. Changes in cottonseed oil and lard fu-

Price Changes

Prices were changed during the past week as follows:—

Advanced

Rapeseed oil, 5c. per gal.

Reduced

Coconut oil, ⅛c. per lb.
Copra, 1/10c. per lb.
Corn oil, ¼c. per lb.
Grease, ¼c. to ⅜c. per lb.
Lard oil, ½c. to 1c. per lb.
Menhaden oil, refined, 2/10c. per lb.
Neatsfoot oil, ¼c. to ½c. per lb.
Oleo oil, ¼c. per lb.
Sardine oil, refined, 2/10c. per lb.
Stearin, ½c. per lb.
Talow, ¼c. per lb.
Tallow oil, ½c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
106.8	108.0	102.2	101.8

Market news that may have developed after this report was sent to press will be found on page 4.

tures, though frequent, were generally within moderate limits. Two government crop estimates were issued during the week, one on cotton and the other on flaxseed, the former showing a reduction and the latter an increase as compared with estimates issued a month earlier.

Chinawood Oil

The local chinawood oil situation continued to be featured by a firm tone last week although there was little to record in the way of activity. Frequent inquiries were reported but as for some time past business was hampered by the absence of adequate supplies, offerings in all instances being light with some importers still not in a position to accept business for prompt or nearby delivery. Supplies among resellers appeared to be small, and only limited quantities were offered by primary shippers. Quotations were stationary during the week. Los Angeles reported the arrival of 256 drums. A report from Washington on the tung oil market appears elsewhere in this issue of the REPORTER.

SAN FRANCISCO, Oct. 10.—The market here for chinawood oil remained strong, with very limited offerings from Hongkong, but most buyers continued to hold aloof hoping that the movement of oil from Hankow will relieve the tension sooner or later. Quoted today at 27½c. per pound in tankcars, f.o.b. Pacific Coast ports.

Vegetable Oils

Coconut.—Local quotations on crude oil were reduced ⅛c. per pound, the decline being due to a further setback in copra and a continuation of the downward trend in some competing products. There was a fairly active inquiry. Refined oil met with a fair demand and the market was steady.

SAN FRANCISCO, Oct. 10.—The market was easy early in the week, the price declining to 3⅝c., but on the lower level the tone turned steadier. Copra declined to 2.10c. per pound, c.i.f. Pacific Coast. A small business was done on this basis, but sellers have not dropped out of the market, with shipping problems quite acute.

Corn.—Crude oil remained in a rather easy position although offerings continued to be reported as light. The inquiry was rather quiet, however, and quotations were shaded ¼c. Refined oil was in fair demand and steady.

Cottonseed. — Edible oil was steady, quotations being held at previous levels by refiners. The inquiry apparently held up well although purchasing was generally limited to moderate quantities.

Oiticica. — Numerous inquiries were reported, but as in recent preceding weeks, business was hampered by the limited supplies available for prompt delivery, some sellers still being out of the market. The tone remained firm.

Palm.—Quiet conditions continued to prevail in the market here although inquiries were not lacking. There was apparently no change in the situation abroad, however, offerings being light, with quotations generally nominal.

Peanut.—Crude was reported as quiet and generally steady with offerings light. Washington advices announced that the CCC has been authorized to loan up to $9,000,000 to cooperative peanut grower associations to assist them in carrying out the 1939 peanut diversion program.

Perilla.—A steady tone prevailed, quotations being held at previous levels. There was a fair inquiry. Offerings were reported as light on spot and for arrival.

Soybean. — Quotations on prompt shipment oil were generally held at previous levels, with reports current of further shading of future positions. There were reports of a fairly active domestic and foreign inquiry.

Markets at Other Centers

San Francisco, Oct. 10.—The picture on the vegetable oil markets continued to be mixed with most of the oils weak, but Chinawood oil and all related markets continuing strong. Business is very quiet with but scattered inquiries as most of the buyers are awaiting European developments which at this juncture still are very uncertain. Peace would undoubtably have a very depressing effect on most of the edible oil markets, and the very thought of peace no matter how slim the chances has caused buyers to pause. Shipping instructions continued good, with many mills behind on their orders.

Ruling prices are:—

BABASSU.—Babassu nut oil declined in sympathy with coconut oil, and is now quoted on the basis of 6½c. per pound in tankcars, f.o.b. mills, Pacific Coast.

OITICICA.—Raw, liquid oiticica oil is still quoted at 20c. to 21c. per pound in drums f.o.b. Pacific Coast or spot shipment or future delivery from Brazil. Cable indications for the new crop are slightly lower but no buyers wish to contract that far ahead.

COTTONSEED.—This market declined the first of the week and then leveled off, now being quoted at 6.75c. to 7c. per pound in tankcars.

PERILLA.—Perilla oil is strangely weaker being quoted on the basis of 13¼c. per pound in tankcars f.o.b. Pacific Coast ports for prompt or deferred shipment. Reports from Japan indicate that this year's crop which will begin to be harvested next month is considerably below last years and the earlier estimates for this year.

RAPESEED.—Refined and denatured rapeseed oil is quoted on the basis of 7¼c. per pound in tankcars, f.o.b. Pacific Coast ports for forward shipment. No spot stocks are available.

Chicago, Oct. 13.—A slightly receding price structure has been noted recently in most grades in the general vegetable oil market. Buying has dropped off considerably, leaving prices to find their own levels, which they are doing in a slightly easing trend. Coconut is quiet and in limited call. Corn oil has eased off fractionally. Chinawood remains on a nominal basis. Peanut oil is slow. Soybean is ruling at slightly lower prices.

COCONUT.—Coast basis, October-forward, 3⅝c. to 3¾c. per pound. Refined, edible oil, 9¼c. to 9½c. per pound, drums, car lots; and 9¾c. to 10c., drums, less than car lots.

CORN.—Crude, low acid, 6½c. to 6¾c. per pound, partly nominal. Refined, edible oil, 9¼c. to 9½c., barrels, car lots; and 9½c. to 9¾c., barrels, less than car lots.

CHINAWOOD.—Ruling spot nominal; October-forward, also nominal.

PEANUT.—Crude, mills, October-forward, 6¾c. to 7c. per pound.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

For Every Specification
Processed
Refined
Blown
Cooked
Sulphonated
VEGETABLE and FISH OILS
Perilla Oil
Soya Bean Oil
Sardine Oil
Liquid Oiticica Oil
Let us quote you. Spot or Contract
CROWN
OIL PRODUCTS CORP.
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LONG ISLAND CITY, N. Y.

STEARIC ACID
Single Pressed and Double Pressed
Available in either cake or flake form
Triple Pressed
IVORY BRAND

RED OIL
(OLEIC ACID)
RUBY OLEINE BRAND (distilled)
STAR BRAND (saponified)
CANARY BRAND
(very pale yellow, especially suitable for best types of dry cleaners' soaps.)
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MAIN OFFICES
Gwynne Bldg., Cincinnati, Ohio
220 East 42nd St., New York City
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CHINA WOOD OIL
WAH CHANG TRADING CORPORATION
SPOT Woolworth Building New York, N. Y. FUTURE

DARLING'S
STEARIC ACID RED OIL PEARL STEARIC
PITCH WHITE OLEINE GLYCERINE
DARLING & COMPANY
Manufacturers 4201 S. ASHLAND AVE., CHICAGO, ILL. Stocks in Principal Cities

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SOYBEAN.—Crude, mills, 4¾c. to 5c. per pound, October-forward.

The market for soybeans on the Chicago Board of Trade was more active, the cash inquiry showing an increase and operations in futures also being on a somewhat larger scale. Prices were irregular. Following is a price record, per bushel, for the week:—

	High.	Low.	Closing Oct. 13.	Closing Oct. 6.
Cash No. 2..	$0.84¼	$0.82	$0.84¼	....
October	.83¾	.80¾	.83¼	$0.84½
December ...	.82	.78	.81	.82⅞

Linseed Oil

Flaxseed prices were irregular in domestic and foreign markets. Linseed oil steady. Cake and meal lower.

Flaxseed—DULUTH, Oct. 13.—Flax, in company with other grains, is indulging in a quiet period just now, attributed to various causes. The weakness of the Canadian market, because of the large surplus, is given as one reason for the slump, but perhaps, as much as anything, is the fact that the lakes situation is not favorable to grain just now. Almost every bottom that will float has been dragged back into the shipping business, but the demand for iron ore and scrap iron is such that grain does not stand much chance. An occasional cargo leaves, but in the main every bulk freighter that will hold ore is carrying it each trip. With lessening chance to send flax to the crushing centers ,the dogdays are bound to exist.

The week's closing price range was as follows:—

	Cash.	Dec.
Saturday	$1.89½	$1.81½
Monday	1.87½	1.79
Tuesday	1.84	1.76
Wednesday	1.84	1.76
Thursday	*	...
Friday	1.81½	1.73½

Crop movement in bushels follows:—

	Receipts 1939.	Receipts 1938.	Shipments 1939.	Shipments 1938.
This week..	143,114	42,060	279,599	140,000
Since Aug. 1....	2,850,059	1,373,914	1,859,139	735,779

MINNEAPOLIS, Oct. 13.—The demand for flax is slowing down gradually but to date prices have been holding firm compared with futures. Reports of buyers concerning less aggressive interest in offers seem to be based more on wishful thinking than on fact because they still are paying unreasonable premiums on good seed carrying dockage content above 15 percent. Bids of ½c. per 1 percent of dockage are evidently not based on the value of screenings at this time. These bids were made initially by elevator operators and commercial handlers of flax but today the crushers declined to compete and dropped their bids to ¼c. for each 1 percent of dockage starting at 16 percent content.

Diversion point demand for flax still is good and there was a spurt of buying today for delivery at the head of the lakes. However, there is less tendency to pay full freight on southern Minnesota seed.

Movement in the country was stimulated some by talk of the trade pact with Argentina and proposed reduction in tariff on offers from that country but a large part of the crop has been moved and no heavy presure is expected at any time during the balance of the season. More farmers than ever are saving seed for next year's sowing and if the trade pact is put through a lot of this flax will be dumped on the market. The fight against the proposed pact is becoming more aggressive and influential daily.

Stocks in local public elevators continue to decrease in spite of steady car unloading and fair receipts. Crushers are running at full speed to make oil for their shipping instructions and are using a lot of flax. Decrease in three days estimated at 60,000 bushels compared with an increase of 5,000 bushels a year ago in the same period of time.

The week's closing price range was as follows:—

	Cash.	Dec.	May.
Saturday	$1.87½	$1.80½	$1.77
Monday	1.85½	1.78½	1.75
Tuesday	1.82	1.76	1.74
Wednesday	1.82	1.76	1.73
Thursday	*	...	...
Friday	1.79½	1.73½	1.70½

* Holiday.

Crop movement in bushels follows:—

	Receipts 1939.	Receipts 1938.	Shipments 1939.	Shipments 1938.
This week..	197,400	91,560	100,800	25,020
Since Sept. 1..	2,745,400	1,351,360	885,800	109,830

WINNIPEG, Oct. 13.—The market for flaxseed futures was quiet, with moderate changes in quotations. The week's closing price range was as follows:—

	Cash.	Oct.	Dec.
Saturday	$1.75½	$1.75½	$1.69¼
Monday	*	...	...
Tuesday	1.73	1.73	1.67½
Wednesday	1.72	1.72	1.67½
Thursday	1.72	1.72½	1.67
Friday	1.69	1.69	1.67½

* Holiday.

BUENOS AIRES, Oct. 13.—Opening prices per bushel on October contracts were:—

	Last week.	Last year.
Saturday	$1.30⅞	$1.06½
Monday	1.29⅞	1.06½
Tuesday	*	1.07⅝
Wednesday	1.28¼	1.15¼
Thursday	1.28¼	1.10⅝
Friday	1.29¼	1.10⅝

* No price.

Exports

To—	Bushels Last week.	Previous week.	Last year.
United States.....	.....	142,000	547,000
United Kingdom..	.....	.....	.....
Continent	551,000	500,000	713,000
Orders	20,000	16,000	31,000
Orders	.....	16,000	4,000
Totals	551,000	674,000	1,295,000

Since January 1

To—	Bushels This year.	Last year.
United States.....	11,917,000	9,018,000
United Kingdom.....	2,220,000	1,114,000
Continent	20,867,000	18,358,000
Orders	8,078,000	7,148,000
Others	2,520,000	1,639,000
Totals	45,002,000	37,277,000

Visible Supply

	Bushels.
Last week.....	2,559,000
Previous week.....	2,756,000
Last year.....	4,331,000

Linseed Oil.—The market had a fairly steady tone. The trend of flaxseed quotations was downward at times but changes were generally moderate and supplies of oil were available at previous prices. So far as new domestic business was concerned there was little in the way of activity to record, consumers and dealers being disposed as a rule to hold off for further developments. There was a steady movement on contracts previously placed, however, and an increase was also noted in export trade.

The monthly government flaxseed report was bearish, putting the indicated crop in this country as of October 1 at 17,439,000 bushels. This compared with 17,246,000 bushels a month earlier. The production last season was 8,171,000 bushels. Reports concerning the crop situation in Argentina continued favorable. There were no shipments from that country last week for the United States. India shipped 68,000 tons to Europe.

Offerings of cash flaxseed in the Northwest were well absorbed although demand, according to some reports, was less urgent than recently. The crop movement showed some increase, but this was regarded as merely temporary and due mainly to renewed talk of a trade pact with Argentina and the possibility of a reduction in the tariff on importations from that country.

MINNEAPOLIS, Oct. 13.—There is little to say about linseed oil trade of the past week. A decline of 5c. in prices failed to stir up much new business but small lot orders from nearby territory was quite liberal in volume. Larger buyers seemingly are booked up for the balance of the current year and beyond and with European political news confusing are not inclined to add to their present commitments, even though retail demand for paints, linoleum and other commodities with a linseed base continues favorable as compared with previous year records.

The main feature is the steady flow of shipping instructions in volume. All mills are speeding ahead at full capacity and are unable to build up any oil reserves.

Quotations on carload lots f.o.b. Minneapolis, tankcar lots 9.9c. per pound, cooperage car lots 10.5c. per pound, warehouse lots 10.9c. per pound.

Shipments of oil in pounds were as follows:—

	1939.	1938.
This week.....	3,720,000	2,284,596
Since Sept. 1.....	20,760,000	11,226,442

SAN FRANCISCO, Oct. 10.—The linseed oil market declined 5 points for the week due to the rapid decline of the Minneapolis option market. There has been active demand at the reduced prices, and the nearby market seems quite tight with many mills finding it difficult to keep up with their orders booked previously. Linseed oil is now quoted at 9.6c. per pound in tankcars with regular differentials for drum lots.

Chicago, Oct. 13.—Some easing has developed in the linseed oil market, in keeping with the backward tendency that has been noted in various other oils. While material is not being pushed out upon the market for sale at sacrifices by sellers, still there is not such a strong undertone as was noted recently, and buyers appear to be considerable more cautious than was the case rather recently. Ruling prices are:—Tankcar, 9.4c. per pound; car lots, 10.5c.; less than car lots, 10.9c.

Cake and Meal.—Quotations were reduced, cake being available at $32 to $32.50 per ton and meal at $38 to $38.50. Business was quiet.

MINNEAPOLIS, Oct. 13.—Trade in linseed meal at the moment is slack and featureless and re-sellers are more aggressive owing to the approaching need of shipping instructions on their contracts with crushers. Weakness in grains and unusually mild Fall weather tended to restrict consuming demand and this is causing some concern.

Insofar as the crushers are concerned they are well booked up up to the turn of December and are not competing with the re-sellers. They are offering in a limited way for December shipment but are not pressing their meal at concessions.

Quotations on carload lots, f.o.b. Minneapolis, 100-pound sacks, $33.50 to $34 per ton.

Shipments of meal in pounds were as follows:—

	1939.	1938.
This week.....	4,200,000	2,396,760
Since Sept. 1.....	33,080,000	16,736,055

CHICAGO, Oct. 13.—Sellers of linseed meal are having no great difficulty in disposing of their material at this time. Feeders have been displaying more interest recently, and the price structure is firm. Large sellers seem to be in good shape as regards the current market situation, and the resellers are reported in a strong position. Round-lot business remains not very active. Ruling prices are:—Round lots, $34 to $35; car lots, $35 to $36; less than car lots, $37 to $38.

Cottonseed Oil

Refined oil futures were quiet and irregular, changes in prices being moderate. Southern markets for cottonseed products generally quiet.

Cottonseed Oil.—Trading in refined oil futures in the local market continued rather quiet last week, not a few local and other operators still being disinclined to add materially to their commitments on either side of the account in view of the uncertainty regarding political affairs at home and abroad. Sentiment was mixed, and while there were frequent fluctuations in prices, the changes were generally within moderate limits. There was further liquidation for account of commission houses. On firm spots selling supposedly of a hedging character was noted. Trade interests and shorts bought on declines. Further tenders on October contracts brought the total for the month thus far up to 49.

A development of interest was the publication of the monthly government estimate of the cotton crop. It put the indicated yield as of October 1 at 11,928,000 bales. This showed a reduction in the crop within a month of 452,000 bales. The decline in production in Texas and Oklahoma was due to dry, hot weather during September, which stopped development and caused premature opening. In the central portions of the belt the long periods of dry weather were unfavorable for late fruiting. Weevil damage was apparently somewhat heavier than indicated earlier in the season.

Southern markets for crude oil were quiet and in some cases prices were ⅛c. lower. Trade in cash refined cottonseed oil and lard compound was quieter. A further decline occurred in coconut oil. The export movement of lard showed some increase, though new foreign business was reported as quieter and domestic trade in lard also showed some falling off. Receipts of hogs at some points in the West were lighter, the decrease being attributed to the recent downward trend of hog prices. The weight of the hogs received in Chicago during the week ended October 7 averaged 219 pounds for barrows and gilts, against 221 pounds in the previous week.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from October 7 to October 13, inclusive, comprised 501 contracts, a total of 30,060,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks High.	Low.	Close.
January	6.96	6.57	6.94@6.96
March	7.12	6.88	7.11 sale
May	7.20	6.80	7.17@7.19
October	6.84	6.65	6.85@6.90
December	6.93	6.53	6.89 sale

Crude, Southeast, .05¾@.06c. Nom.

Chicago, Oct. 13.—While cottonseed oil has continued to reveal a somewhat easy undertone, the price structure now seems a little steadier and there is no current demoralization of the market. Instead, the tone is easy, and buying is restricted. Inquiries are fair. Good, off-Summer, yellow fig oil is 7⅜c. per pound, barrels, car lots; and 9½c. to 10½c., barrels, less than car lots.

Cake and Meal.—Southern markets were generally reported as quiet. With offerings light, the prevailing tone appeared to be steady.

Markets at Other Centers

Atlanta, Oct. 10.—Announcement of the Federal government of a prospective cotton crop of 11,928,000 bales as against an estimate of a month ago of nearly a half a million bales larger, has apparently not influenced the price of cottonseed products. The estimate may have been discounted in advance as shown by the upward trend of prices some days ago.

Cottonseed meal of the 8 percent grade is quoted in the Memphis market around $24.50 per ton, to which the eastern cotton belt markets add $2 per ton. Prime crude oil is held at 6c. or slightly more or less as the market vacillates.

Cotton picking in the southeast is reported progressing favorably under favorable harvesting weather.

Memphis, Oct. 13.—Trading in crude cottonseed oil in this section continued quiet during the past week. Mills apparently well sold against seed receipts. Last sales were at 5⅝c. per pound, Valley basis, and 5¾c. at Alabama points. Bids of 6c. would probably be required to bring oil out in volume in this section. Meal steady at $24.50 per ton, Memphis basis. Hulls, $4.50 to $5 per ton at mill points. Picking and ginning rapid under favorable weather conditions.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	October 5.	October 11.
October	$23.60@23.85	$24.25@24.50
December	23.70@23.90	24.15@24.40
January	23.70@23.90	24.15@24.50
March	23.75@23.95	24.35@——

Fatty Acids

Capric Acid.—A firm tone continued to prevail, quotations being maintained at previous levels. There was a fairly active movement into consuming channels in the production of chemical compounds.

Castor Oil.—The strength of raw material was reflected in a firm tone in the market for castor oil fatty acid. The inquiry from makers of shampoos, cosmetics and synthetic resins held up and the output was apparently being well absorbed.

Coconut Oil.—The market for this fatty acid was less active, recent developments in raw material making consumers disposed in some instances to hold off. Prices were maintained at recently advanced levels.

Myristic Acid.—Quotations were stationary with the tone of the market firm. There was a steady movement to local and other makers of soaps and cosmetics.

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Coconut—Palm—Corn—Linseed Soy Bean—Lauric—Cotton Seed White Oleic—Teaseed and other Fatty Acids.

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Current prices on animal, vegetable, and fish oils (under Oil), fats, and grease (under Grease) are given in the alphabetical list of prices beginning on page 7

Red Oil.—A steady tone prevailed, quotations being held at recently advanced levels. Consumption in the textile industry is said to have increased recently though new business appeared to be quieter last week.

Stearic Acid. — Raw material again weakened, but the market for stearic acid continued firm, previous quotations remaining in effect. There was a fairly active demand. Importations during August were 91,317 pounds, of which 63,910 pounds came from the Netherlands.

Markets at Other Centers

Chicago, Oct. 13.—Demand for fatty acids is holding up fairly well, and the price is giving a fairly good account of itself, notwithstanding the fact there have been some recessions in the basic materials. Sellers are adopting mostly a firm pricing attitude. Buying is such as to indicate most purchasers are looking not too far ahead, but at the same time are willing to order generously for nearby needs. Special cottonseed items are somewhat easier. Stearic acids are ruling unchanged and rather dull.

FATTY ACIDS.—Corn oil, double distilled, 9c. to 9¼c. per pound, tankcar; 9½c. to 9¾c., barrels, car lots; 10c. to 10¼c., barrels, less than car lots; coconut oil, acidulated, 9¾c. to 10c., per pound, tankcar, mostly nominal; 10¼c. to 10½c., barrels, car lots; 10¾c. to 11c., barrels, less than car lots; cottonseed oil, double distilled, 8¼c. to 8½c. per pound tankcar; 8¾c. to 9c., barrels, car lots; 9¼c. to 9½c., barrels, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 3¼c. to 3¾c.; boiled down soap stock, 65 percent basis, 4¼c. to 4¾c.; cottonseed foots, 50 percent basis, 1¾c. to 2c.

STEARIC ACID.—Distilled, single press, 12c. to 13c.; double press, 12½c. to 13½c.; triple press, 15¼c. to 16¼c.

Fish Oils

Menhaden.—Quieter conditions prevailed in the local market for refined oil. There was a rather steady movement to consumers and dealers on contracts previously placed, but new business was on a smaller scale, the reported peace moves in Europe and a reactionary trend in the markets for various other commodities making consumers disposed to curtail purchases and await further developments. Quotations were reduced two points.

Sardine.—The market for refined oil was easier, quotations being reduced two points owing to a setback in crude oil on the Coast. There was a fair inquiry though purchases were generally limited to comparatively small quantities.

Whale.—The local market for refined oil had a steady tone, quotations being maintained at previous levels. Business was on a moderate scale.

Markets at Other Centers

San Francisco, Oct. 10.—Labor difficulties still held the spotlight in the fish oil reduction industry in and around San Francisco this week.

Friday the plants sent an ultimatum to the C.I.O. demanding that they sign up and begin fishing or the plants would sign up the A. F. of L. When they had not heard by 2:00 P.M., they signed up some A. F. of L. fishermen and were supposed to be all set, when at 3:00 A.M. the next morning the C.I.O. came in with an agreement. The plants were then in a quandary as the C.I.O. represented the great majority of the fishermen, so again nothing happened. It is expected however, that most of the differences between the plants and the fishermen have been reconciled, and that fishing should start very soon.

Because of the above situation, spot oil is quite tight, selling at about 2c. per gallon above future subject-to-production contracts, which are quoted at 35c. per gallon f.o.b. San Francisco, Monterey, or Richmond.

Fishing has been very good at Monterey the past week, where the labor question was settled some time ago.

Later in the week, the fishermen and their clients reached an agreement making the fishing basis for San Francisco 5,000 tons.

Baltimore, Oct. 10.—Reports about transactions in menhaden oil are lacking, and as far as the members of the trade here are concerned, they are without advices of business actually concluded, with the last quotation of which there is any record still at 36c. per gallon. Meanwhile the fishing down the Chesapeake Bay has not been productive of large hauls, with the last week unfavorable in point of weather, and with the current six days more encouraging, but with the week not sufficiently far advanced to permit of fair comparisons. The fish caught are in good condition, as to oil yield, and results can be called satisfactory, but most of the plants down the bay are under contracts taken at lower figures than now prevail, and it is not by any means certain that the producers will have any considerable quantity of oil to sell at higher levels. The North Carolina factories are not busy for the present, the fish having not yet gotten so far south on their move from the northern waters, and it is largely a case of waiting. In the absence of any free stocks of oil neither the factories nor the potential purchasers will name prices, and it is a case of doing such business as does come out at any level dictated by the circumstances, with the actual market a doubtful matter.

Fats and Greases

Grease.—The market remained in an easy position, quotations being shaded ¼c. per pound. There was a fair inquiry though the movement was lighter than recently.

Lard.—Cash quotations were irregular in the local market, the tone being easier early in the week and steadier later on. There were frequent changes in futures in the West. The export movement showed an increase. Domestic trade was quiet.

Stearin.—Demand was rather slow, and the market had an easier tone, offerings being reported at further concessions of ¼c. to ½c.

Tallow.—The market was easier early in the week, with demand quiet and offerings somewhat freer. Transactions were reported at 6c. per pound for extra, showing a further decline of ¼c. Later in the week offerings were lighter and the tone appeared to be steadier, though further transactions were reported at 6c. The market in the West was said to have a steadier tone.

Trading in tallow futures on the New York Produce Exchange from October 7 to October 13, inclusive, comprised 10 contracts (switches), a total of 600,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks—High.	Low.	Close.
January	...	...	5.90 bid
October	...	...	5.90 bid

Markets at Other Centers

Chicago, Oct. 13.—Easiness has developed additionally in the cash lard market lately, in sympathy with the trend in related markets. Buyers have become more wary and the volume of business has been along restricted lines, when compared with that recently in effect. Shipping trade has been limited. Tallows are moving somewhat lower in price, with limited volume. Greases are reported moving moderately well, but the trend there also is easy. Stearins are reported attracting some little market attention.

The range of lard quotations from the opening Saturday, October 7, to the close Friday, October 13, is shown in the following table:—

	Per 100 pounds— Open.	High.	Low.	Close.	Previous Friday.
Cash.....	$6.30	$6.80	$6.30	$6.80	$6.62
October..	6.55	6.77	6.20	6.72	6.55
December	6.65	6.82	6.25	6.77	6.67

TALLOWS (tierces).—Edible, 6¼c. to 6½c. per pound; prime, 6c. to 6¼c.; fancy, 6c. to 6½c.; special, 5¾c. to 6c.

GREASES (tierces).—Choice white, 6c. to 6¼c. per pound; A white, 5⅞c. to 6c.; B white, 5¾c. to 6c.; yellow, 10-16, 5⅜c. to 5½c.; yellow, 16-20, 5¼c. to 5½c.; brown, 5c. to 5¼c.

STEARINS (barrels).—Prime oleo, 8¾c. to 9c. per pound; lard, packaged, 7½c. to 8c.; white grease, 6½c. to 7c.; yellow grease, 5¾c. to 6c.; oleo stocks, 10½c. to 11c.; No. 2 stocks, 10¼c. to 10½c.

Animal Oils

Lard.—Quotations were reduced ½c. to 1c. per pound, the easier situation being due to recent setbacks in the market for basic material. Business was quieter than in recent preceding weeks.

Neatsfoot.—The local market had an easier tone owing to lessened cost of production. Quotations were reduced ¼c. to ½c. per pound. There was a fair demand for moderate lots.

Oleo.—Prices were reduced ¼c., the market being steady at the decline, with supplies on spot reported as comparatively light. Business was fairly active.

Tallow. — Recent developments in basic material were reflected in the market for tallow oil, quotations being reduced ½c. per pound. Trade was quiet.

Markets at Other Centers

Chicago, Oct. 13.—Slight easiness has developed recently in various grades of animal oils. Buyers now are not so eager to buy as a few weeks ago, and as prices recede they are encountering an attitude which indicates purchasers are inclined to wait still longer for prices to demonstrate they are leveling out. Tallows are quiet, oleo materials dull.

LARD.—No. 1, 9½c. to 9¾c. per pound.

OLEO.—No. 2, 10¼c. to 10½c. per pound.

TALLOW.—Acidless, 8½c. to 9c. per pound, tanks; and 9½c. to 9¾c., drums.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Flaxseed Crop October 1 Estimate Up

The Department of Agriculture estimate as of October 1 of the 1939 flaxseed crop was 17,439,000 bushels. This compares with an estimate a month earlier of 17,246,000 bushels and a production last season of 8,171,000 bushels. Harvesting was completed without frost damage and under favorable conditions with the exception of some early heat and grasshopper damage in Montana and Northwestern Minnesota.

Details of the October 1 estimate with respect to the several production states follow:—

	Bushels— Yield per acre— Average 1928-37.	1938.	Indicated 1939.	Production— Average 1928-37.	1938.	Indicated 1939.
Michigan	8.9	9.0	8.5	58,000	90,000	128,000
Wisconsin	10.8	11.0	11.0	64,000	44,000	143,000
Minnesota	7.9	10.5	9.5	5,245,000	4,756,000	10,754,000
Iowa	8.8	12.0	10.5	151,000	120,000	420,000
Missouri	4.3	5.0	6.5	13,000	20,000	39,000
North Dakota	4.5	5.0	5.0	4,008,000	1,499,000	1,790,000
South Dakota	3.9	8.5	8.7	1,231,000	382,000	948,000
Nebraska	5.4	8.5	6.0	44,000	8,000	6,000
Kansas	5.8	7.2	7.7	257,000	367,000	939,000
Montana	4.0	5.0	4.0	635,000	210,000	512,000
California	16.9	19.0	16.0	515,000	684,000	1,760,000
United States	5.9	8.6	8.6	11,943,000	8,171,000	17,439,000

Waxes

Bayberry. — Quiet conditions continued to prevail. Inquiries were not lacking, but the market still appeared to be bare of spot supplies and there seemed to be no prospect of any relief from the scarcity in the near future. Quotations were nominal.

Candelilla.—The local situation continued to be featured by a firm tone. There was a good inquiry owing to the scarcity of some other waxes. Supplies appeared to be light and quotations were largely nominal.

Japan.—The market remained in a firm position. Supplies of spot material appeared to have been closely cleaned up in most quarters and there was no increase in offerings for arrival. Quotations were nominal.

Peanut Diversion Loans To Cooperatives Approved

—Continued from page 4

been repaid in full with interest.

The Federal diversion payments, representing the difference between the authorized price paid by the associations and the resale price, plus handling costs, are made for the diversion of farmers' stock peanuts produced in 1939, into oil and byproducts. Under the program, the GFA Peanut Association of Camilla, Georgia, buys peanuts from growers in Georgia, Florida, Alabama, and Mississippi, while North Carolina producers sell to the Peanut Stabilization Cooperative of Edenton, North Carolina, and growers in South Carolina and Tennessee may sell to either association. Virginia producers sell to the Virginia Peanut Growers' Cooperative, Inc., of Waverly, Virginia, and growers in Texas, Oklahoma, Arkansas, and Louisiana sell to the Southwestern Peanut Growers' Association of Eastland, Texas.

Oil Trades Dinner Nov. 1

The Oil Trades Association of New York will hold its twenty-fourth annual banquet in the Waldorf-Astoria November 1. The affair will be formal. Reservations are in charge of Rudolf G. Sonneborn, of L. Sonneborn Sons, 88 Lexington avenue, this city.

General American Tank Car Company has been granted by the Supreme Court of the United States a review of a lower-court decision requiring it to pay additional allowances on the operation of tankcars leased to the El Dorado Terminal Company for the transportation of coconut oil.

Margarin Manufacturing Operations Off in August

According to figures reported to the Bureau of Internal Revenue, Washington, the margarin manufacturers' production in August, 1939, compared with August, 1938, as follows:—

	Pounds— August, 1939.	August, 1938.
Total production of uncolored oleomargarin	*21,498,284	†28,593,710
Total withdrawn tax-paid	21,192,548	28,343,230

Ingredients used in the production of colored and uncolored margarin in August, 1939, compare with August, 1938, as follows:—

In Uncolored Margarin

	Pounds— August, 1939.	August, 1938.
Babassu oil	1,344,719	1,201,618
Beef fat	19,700	....
Coconut oil	1,728,178	7,238,795
Corn oil	21,886	....
Cottonseed oil	6,980,889	9,065,906
Derivative of glycerin	52,687	55,886
Lecithin	6,119	6,978
Milk	4,292,998	5,455,258
Neutral lard	193,051	98,883
Oleo oil	1,048,166	987,185
Oleo stearin	273,608	239,858
Oleo stock	58,053	155,819
Palm kernel oil	....	202,055
Peanut oil	253,954	281,713
Salt	950,883	2,001,427
Soda benzoate	8,844	10,768
Soybean oil	5,537,605	3,635,081
Vitamin concentrate	1,214	1,050
Totals	22,703,534	30,638,280
Total production of colored oleomargarin	‡110,169	124,227
Total withdrawn taxpaid	13,584	27,910

In Colored Margarin

	Pounds— August, 1939.	August, 1938.
Babassu oil	27	....
Coconut oil	31,497	43,061
Color	76	114
Cottonseed oil	5,317	19,982
Cottonseed stearin	120	....
Derivative of glycerin	247	269
Lecithin	51	3
Milk	21,970	27,836
Neutral lard	1,953	4,273
Oleo oil	11,614	19,911
Oleo stearin	1,050	900
Oleo stock	1,162	580
Palm kernel oil	....	290
Peanut oil	37	130
Salt	6,564	7,396
Soda benzoate	36	14
Soybean oil	35,653	15,055
Vitamin concentrate	1	1
Totals	121,273	139,827

* Of the amount produced, 28,047 pounds were reworked.

† Of the amount produced, 32,287 pounds were reworked.

‡ Of the amount produced, 864 pounds were reworked.

Carroll Chemical Corporation, manufacturers' agent in janitor supplies, Baltimore, has moved to larger quarters at 420 West Camden street. It has extended its operations to the manufacturing of a face cream.

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INADEQUACY OF VITAMIN B_1 IN MODERN DIETS

Breakfast

MENU	International Units Per Average Serving*
ORANGE JUICE	18.1
SOFT BOILED EGG	15.1
2 SLICES OF TOAST (WHITE)	7.4
BUTTER AND HONEY	0.
COFFEE	0.
SUGAR	0.
CREAM	3.1
TOTAL	43.7

Luncheon

MENU	
CLEAR BROTH	0.
BROILED CHICKEN	13.6
RICE	2.7
BEETS	9.0
2 SLICES OF MELBA TOAST (WHITE)	7.4
TEA OR COFFEE	0.
SUGAR	0.
CREAM	3.1
ANGEL CAKE	1.
TOTAL	36.8

Dinner

MENU	
FRESH FRUIT COCKTAIL	18.1
ROAST BEEF	13.6
SPINACH	9.
STRING BEANS	9.
MILK (ONE GLASS)	32.7
2 SLICES OF WHITE BREAD	7.4
BUTTER	0.
LETTUCE SALAD WITH FRENCH DRESSING	15.1
CAKE	1.
DEMI-TASSE	0.
TOTAL	105.9

SUM TOTAL 186.4

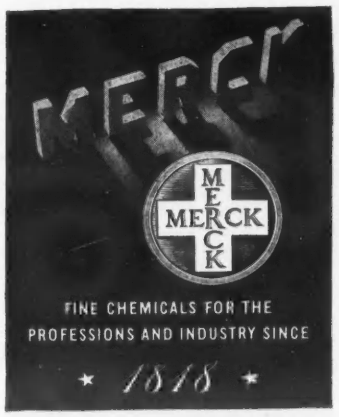
Until recently it was commonly believed that a diet is usually adequate if it satisfies the appetite and includes ordinary amounts of customary American foods.

The fallacy of this belief may be readily appreciated by inspecting the accompanying menu which, if not carefully examined, might be assumed to be adequate in every respect. And yet when the total Vitamin B_1 content of this presumably adequate dietary is calculated, it is found to provide less than 190 International units, an amount which fails to meet even the *minimum* daily requirement.

Progressive manufacturers, aware of the widespread need for this important vitamin, are ensuring a desirable Vitamin B_1 potency in their preparations by incorporating adequate amounts of the pure crystalline substance.

VITAMIN B_1 CRYSTALS MERCK

*Williams, R. R., and Spies, T. D., *Vitamin B_1 and its use in medicine*, Macmillan, 1938.



MERCK & CO. Inc. *Manufacturing Chemists* RAHWAY, N. J.

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Drugs, Fine Chemicals

Demand Continues Active—Producers Warn Against Overbuying —Advance in Bismuth Salts Reflects Rise in Metal Price —Menthol Higher—Castor Oil Orders Heavy

Business in the market for drugs and fine chemicals continued along active lines last week. The price position of the general market appeared firm, reflecting the uncertainties emanating from the European war. Producers, however, were endeavoring to convince buyers to purchase conservatively. The unseasonable weather was also a factor giving momentum to the buying side of the market for certain products.

In all quarters of the market shipments were moving against contracts to the extent of their full allotments. At the same time, reports indicated that some contract buyers were also stocking inventories by additional purchases in the open market. Influences in the primary market were said to have pushed the spot price for menthol to a slightly higher level. Castor oil was also subjected to a heavy demand, with a good portion of the spot buying originating in quarters producing a sulphonated product.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Bismuth, metal, 15c. per lb.
subcarbonate, 20c. per lb.
subgallate, 10c. per lb.
subiodide, 10c. per lb.
subnitrate, 15c. per lb.
Iodine, crude, kegs, 15c. per lb.
Menthol, 5c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
195. 6	194.9	191.8	183.0

Market news that may have developed after this report was sent to press will be found on page 4.

Acid, Citric.—The leading manufacturer has guaranteed his present price schedule will remain the same until October 1, 1940. Quotations are: crystals and granular, 20½c. per pound for one shipment of 10,000 pounds or more, 20c. for car lots and smaller lots, 21c.; anhydrous, 23c. per pound for one shipment of 10,000 pounds or more and 23½c. per pound for smaller lots.

Acid, Gallic.—Supplies of raw material were being shipped to this country in uncertain fashion with the result that quoted prices were purely nominal.

Acid, Pyrogallic.—The impossibility of depending on regular shipments of raw material, and the resulting uncertainty over production costs, resulted in continuance of quoting nominal prices.

Acid, Tannic.—Similar to the past several weeks, prices were nominal during the period under review.

Acid, Tartaric.—Quotations remained strong although no further changes were reported. Shipments of raw material from primary centers were very irregular.

Alcohol.—Following a 2c. per gallon advance the preceding week, the market was very active during the period under review. This was especially true of the anti-freeze material which was shipped into consumption at a greater rate. Pure ethyl alcohol was very firm last week at $4.48 to $4.60½ per gallon. Absolute ethyl alcohol was very firm at $4.81½ to $4.88 per gallon. Denatured formulas were steady with tankcar quotations as follows:—C.D. 14, 25½c. per gallon; S.D. 1, 21½c.; S.D. 2B, 20½c.; S.D. 23G, 26c.; and special solvent, 22½c.

Aloin.—Costs of raw materials caused producers to hold quotations at the higher prices instituted two weeks ago. Offerings were made last week at $3.25 per pound.

Amyl Acetate.—The scarcity in the market continued, with suppliers barely able to meet contract demands. New business was either refused or seriously limited. The price was unchanged.

Bismuth. — Generally higher prices were in force. The metal advanced 15c. per pound last Monday to $1.25. Subnitrate was increased 15c. per pound to a level of $1.48 to $1.51 in drums and $1.57 to $1.83 in cans. Subcarbonate was 20c. higher and material was offered at $1.73 to $1.76 in drums and $1.82 to $2.08 in cans. Subgallate was advanced 10c. per pound to $1.68 to $1.71 in drums and $1.77 to $2.03 in cans. Subiodide was 10c. higher to $3.98 in drums and $4.01 in cans.

Butyl Alcohol.—The quoted price, which was advanced two weeks ago, was very firm during the period under review. There was also an increase in tonnage shipped into consumption. Secondary material had not as yet been increased in price.

Caffeine Alkaloid. — There was a heavy demand in the market and presently quoted prices were very strong.

Castor Oil.—Producers were holding the price at the previous level despite the appearance of an exceptionally heavy demand.

Chicago, Oct. 13.—A strong market situation has continued to prevail in the c.p. castor oil market, with prices at the top for a long period of time. Buyers are anxious to obtain material to cover their nearby needs and some of them seem willing to buy ahead. Ruling prices are:—No. 1, barrels, car lots, 11⅝c. per pound; barrels, less than car lots, 12¾c.; returnable drums, car lots, 11½c.; drums, less than car lots, 12¼c.; tanks, 10½c; No. 3, barrels, car lots, 11⅛c.; barrels, less than car lots, 12¼c.; returnable drums, car lots, 10⅝c.; drums, less than car lots, 11¾c.; tanks, 10⅜c.

Codeine Sulphate.—No new features appeared in the market. Supplies were plentiful and the price was held unchanged.

Codliver Oil. — The position of the market was unchanged from the previous week. The price ranged from $40 to $50 per barrel for regular customers. A number of large consignments arrived in New York from Norway during the period under review.

Corn Syrup. — The price was very strong and several quarters indicated an advance in the near future. This was not unexpected but would be a reflection of the higher corn price that was set recently.

Ethyl Acetate. — Supplies were very low and several producers were limiting sales. The quoted price was firm and offerings of the 99 percent N.F. VI were at 9c. per pound in 400-pound drums and 13c. to 14c. in cans. The U.S.P. VIII was 8c. per pound in drums and 13c. in cans.

Fusel Oil.—Despite the 1c. per pound advance two weeks ago, demand continued very heavy during the period under review. There was an absence of normal unsold reserves.

Glycerin.—The undertone of the market was steady or firm with speculation at a minimum. Both the local industrial demand and the call for export stocks were heavy but producers were shipping material to known customers only.

Chicago, Oct. 13.—Tension has relaxed in the market for c.p. and other grades of glycerin, with buying once more assuming a more nearly normal aspect. This followed a period in which some buyers seemed to be trying to accumulate an unusually large amount of material, to protect their needs. Currently material is moving normally. Ruling prices are:—Chemically pure, tanks, 12¼c. per pound; drums, car lots, 12½c.; drums, less than car lots, 13c.; high gravity, tanks, 11¾c. per pound; drums, car lots, 12c.; drums, less than car lots, 12½c.

Iodine.—The crude material was advanced 15c. to a level of $1.21 per pound for 150 pounds or more, material delivered in kegs.

Menthol. — An advance of 5c. per pound was made, bringing the present price to $3.35. Foreign influences caused the increase, the primary cause being a lack of offerings from Japan.

Potash Citrate.—The leading producer of this item has guaranteed that the present price of 33½c. per pound in barrels will be unchanged through September 30, 1940.

Quicksilver.—Demand was light last week and the price was stable and unchanged at $150 to $155 per flask for spot delivery. November and December deliveries were at $145.

Current prices on drugs and the fine chemicals are given in the alphabetical list of prices beginning on page 7

THE MANUFACTURE

of Norwegian Cod Liver Oil is subjected to control by the state, and the utmost care is taken to see that the detailed regulations for manufacture, cleanliness and hygiene, are rigidly observed in every particular. The regulations for the manufacturing of medicinal cod liver oil are issued in the form of a law and also include export of the oil.

Not a single barrel or bottle of Norwegian medicinal cod liver oil is therefore permitted to be exported before chemical examination of the oil, and also tests for taste and smell, have proved that the oil is genuine, wholesome and pure. As a proof that the oil has been approved by the Control, the consignment is accompanied by a certificate of control, which is yellow for the very best quality. Every importer should in his own interests take care that the consignment is accompanied by the certificate issued by the Norwegian Government Control.

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MAGNESIUM SALICYLATE

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CHICAGO BRANCH: 180 N. WACKER DR.
Factories: Garfield, N. J. Fords, N. J.

San Francisco, October 12.—The market in quicksilver continued to ease off last week as the mines production began to catch up with sales made during the rapid rise following the outbreak of war. The spot market is still devoid of stocks but the buyers don't seem to care and most are adopting a waiting attitude.

A little business was done during the week at prices ranging around $140 per flask ex warehouse S. F., which is today's quoted price.

Quinine. — Demand was normally active and no change in the surcharge price was reported.

Saccharin.—A very heavy demand made its appearance last week and the price firmed. Producers seemed determined to hold down quotations as long as manufacturing costs will permit.

Santonin.—The demand held to high levels, although stocks were low. The possibilities of obtaining normal supplies of the Russian material in the near future were uncertain, a fact which further firmed the price.

Scidlitz Mixture. — Consumers were very active and the price was steady and unchanged.

Silver Nitrate.—The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided:—

	Per ounce		
		Bullion	
	Nitrate.	New York.	London.
	Cents.	Cents.	Pence.
Saturday	26⅞	35¼	22⅛
Monday	27⅜	36⅛	22⅞
Tuesday	27¾	36¼	22⅛
Wednesday	27⅜	36⅜	22½
Thursday	*	*	*
Friday	28½	37½	23½

* Holiday.

Soda Citrate.—Ruling prices were:—U.S.P. VIII, 18½c. per pound in 225-pound lots, delivered in barrels; U.S.P. XI, 24½c. per pound in 250-pound lots, also delivered in barrels. A major producer has guaranteed these prices will remain unchanged until October 1, 1940.

Sugar of Milk.—Car lots were offered at 16c. per pound and smaller lots at 16c. to 17c.

Vitex Laboratories Engages Roberts to Sell in Midwest

J. Carroll Roberts, formerly of American Research Products, Inc., Rochester, N. Y., has been appointed to the sales force of Vitex Laboratories, Inc., Harrison, N. J.

Mr. Roberts will call upon the pharmaceutical and food trades in the Midwestern States. He formerly conducted his own vitamin product brokerage business in Chicago in addition to his connection with American Research Products.

Packaging Problems To Be Discussed

—*Continued from page* 5

General topics of discussion will include the following:—

"Motion and Time Economy in the Construction and Operation of Packaging Machinery," by Allan H. Mogensen, authority and writer on work simplification.

"The Consumer Looks at Old Products in New Packaging Materials," by Arthur B. Erekson, director of research for the Lakeshire cheese division of the Borden Company.

"Concept of a Packaging Institute: 'How It Can Serve the Needs of the Packaging Industries,' by Charles A. Breskin, publisher of *Modern Packaging*.

" 'The Food and Drug Act: a Packaging Forum,' by J. L. Clark, chief of the Central district, United States Department of Agriculture."

The newly inaugurated supplies division of the institute will hold its organization meeting, October 19. This division has recently enrolled the following new members:—

Armstrong Cork Company, Lancaster, Pa.
Celluloid Corporation, New York.
Guardian Safety Seal Company, Chicago.
Maryland Glass Corporation, Baltimore.
Phoenix Metal Cap Company, Chicago.
Union Bag & Paper Corporation, New York.

Retail Federation Elects

At its annual meeting in Washington October 10 the board of trustees of the American Retail Federation elected the following officers:—

Chairman of the board, Louis E. Kirstein, Boston.
President, David R. Craig, Washington.
Vice-president, Paul C. Kelly.
Treasurer, William H. Hager.
Secretary, R. Don Herod, Houston, Texas.

Ala. Fair Trade Decree Signed by U.S. Judge

—*Continued from page* 5

stating that they had no desire to violate the fair trade practices act or to contest its constitutionality.

The petition charged the Lee Drug Company, M. E. Yales, Harold N. Epstein, William N. Turne, Esau Erben, and Eugene Paliette with evading and violating the act by selling Mead, Johnson products in combination with other products at less than the fixed prices.

DCAT Completes Program for Skytop

—*Continued from page* 4

who at the banquet at 8:30 p.m. will discuss "Economic Comparisons—1914 and 1939."

The relaxation and recreation side of the meeting will start with a cocktail party at 7:30 p.m. October 19. The qualifying rounds for the men's and the women's golf tournaments will be started at 9:00 a.m. October 20. The tournaments will be started at the same time October 21.

Special entertainment will accompany the dinner October 20, a feature being competitions with prizes for nongolfing members. Entertainment and the awarding of the golf prizes will feature the banquet October 21, after which there will be dancing.

A registration fee of $7.50 each will be charged for men and for women attending the meeting.

William D. Barry, of Mallinckrodt Chemical Works, chairman of the section, will preside at the business sessions. Ralph E. Dorland, of the Dow Chemical Company, vice-chairman, is in charge of arrangements. John A. Chew will be in charge of the receiving line. S. B. Penick, jr., of S. B. Penick & Co., will direct the "get acquainted" party. Turner F. Currens, of the Norwich Pharmacal Company, will be master of ceremonies for the nongolfing contests. Ira Vandewater, of R. W. Greeff & Co., has charge of the men's golf tournament; Mrs. J. H. McShane will look after the women's golfing. Victor E. Williams, of the Monsanto Chemical Company, will direct the banquet. Robert B. Magnus, of Magnus, Mabee & Reynard, is in charge of transportation and has perfected the schedule of the popular "Lackawanna Special."

National Pepsi-Cola Sale Hearing Listed for Oct. 27

Richmond, Va., Oct. 10, 1939

Federal Judge Way has continued until October 27 hearing on petition of Alexander W. Herman & Co., New York, to set aside on grounds of fraud the sale of the assets of the National Pepsi-Cola Corporation, in bankruptcy proceedings in 1931. The petition also asked to have placed in trust stock now held by Loft, Inc., in the Pepsi-Cola Company of Delaware, organized by R. C. Megargel and associates after the acquisition of the National Pepsi-Cola Corporation assets at the bankruptcy sale.

PROCTER & GAMBLE
Largest Producers and Refiners of
CHEMICALLY PURE GLYCERINE
U.S.P.
Packed in drums and cans
Also other grades—Stocks in principal cities
Gwynne Building, Cincinnati, Ohio
205 East 42nd Street, New York City

Baker's chemicals
ROCHELLE SALT
Chemically balanced. Made from selected grade of Argols. Your choice of crystals—large, fine or powdered. Write for prices.
J. T. BAKER CHEMICAL CO.
PHILLIPSBURG, N.J.
New York Philadelphia Chicago

RUSSIAN WHITE MINERAL OILS
Genuine Imported U. S. P. FLAG BRAND All Viscosities
WHITE OILS
TECHNICAL WHITE OILS FOR INDUSTRIAL USE
NAPHTHENIC ACID SLUDGE . . . NAPHTHENIC SOAP
S. Schwabacher & Co., Inc. 25 BEAVER STREET NEW YORK
Established distributors wanted *Inquiries invited*

TARTARS
WILLIAM NEUBERG, Inc., 441 Lexington Ave., NEW YORK, N. Y.
MUrray Hill 6-1990

VITAMIN PRODUCTS
FISH LIVER OILS
ATLANTIC COAST FISHERIES CORP. OF N. Y.
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NATIONAL BRAND MILK SUGAR
QUALITY STANDARD THE WORLD OVER SINCE 1883
ALPHA LACTOSE POWDERED-GRANULAR
BETA LACTOSE IMPALPABLE
NATIONAL MILK SUGAR COMPANY
Division of The Borden Company
350 MADISON AVENUE NEW YORK, N. Y.

REFINED GLYCERINE
ALL GRADES
CHEMICALLY PURE U.S.P.
CHEMICALLY PURE B.P.
YELLOW DISTILLED-HIGH GRAVITY-DYNAMITE
Refineries located at:
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THREE ELEPHANT BORAX AND BORIC ACID
Purity Guaranteed Over 99.5%
The AMERICAN POTASH & CHEMICAL CORPORATION
TRONA
70 Pine Street New York
Stocks carried in principal cities in the United States and Canada
TRONA MURIATE OF POTASH
A 95-98% Agricultural Grade
A Special Grade for Manufacturers of Industrial Chemicals

Latin American Trade Possibilities Stressed

—*Continued from page 3*

Caribbean area indicate that the diversion of business has already started on a large scale. Importers and distributors in these areas rarely carry over a three months' supply of medicinal products, hence the scramble for new sources.

It is up to the export managers, Mr. Concannon warned whether or not this diversion of business from Europe to the United States remains on our books as a permanent asset. Let us not make the mistakes of the last war. Let us proceed with caution this time, he added. That the United States can live through this war with an absolute minimum of the types of trade controls that have become so widely prevalent in the world of today was the hope expressed by Edward J. Noble, Undersecretary of Commerce. Probably the extent to which our government can avoid such activities will depend somewhat upon the magnitude and duration of the war, he said. Possibly it will depend still more on the qualities of industrial statesmanship demonstrated by our businessmen, he added.

In discussing trade agreements, Cordell Hull, Secretary of State, said that in the economic field, the guiding lines of the policies which we should pursue are clear. Nothing that has happened has weakened in any way the validity of the basic ideas which have underlain our commercial policy in recent years, he said. The type of international economic relations which we have sought to establish through our reciprocal trade agreements has been amply proven by experience to be the only effective means of enabling the process of international trade to perform fully its function as a powerful instrument for the promotion of economic welfare and for the strengthening of the foundations of enduring peace, he added.

Henry F. Grady, Assistant Secretary of State, said that imports are the measure of our exports and by curtailing imports it naturally follows that exports from the United States will be curtailed. Mr. Grady explained that an appreciation of the importance of imports, visible and invisible, in the foreign trade picture involves an understanding of national bookkeeping. Mr. Grady, in part said:—

Our debits and credits with the outside world must balance. Putting the matter in another way, foreign countries can buy our products only to the extent that they can acquire dollars to pay for them, and dollars for use in international purchases are acquired, as in the case of domestic purchases, through the sale in this country of products and services or by borrowing. Loans, of course, merely postpone for a time the ultimate necessity for payment in the form of commodities or services.

In analyzing the probability of increased sales to the Latin American countries as a result of the war, and in estimating what portion of Germany's quarter of a billion dollar exports to Latin America we will share, William T. Moran, assistant vice-president of the National City Bank, this city, said that consideration must be given to many qualifying factors. For instance, he said, no one knows how long the war will last or how widely it may spread. For the present the Allied nations, England and France, will make desperate efforts to keep up their export trade; Italy and Japan will continue to be suppliers, he pointed out. Some German goods may reach Latin America through Italy, as some reports indicate is already happening.

The availability of bottoms and the cost of insurance risks will be big factors, Mr. Moran explained. American credit policies will be very important. Our increased purchases of their raw materials, which will be proportionate to our increased industrial production, will be a factor of first line influence because our southern neighbors must export in order to import, he said. Worth watching will be the growing tendency of Latin American countries to control the internal prices of certain products, both national and imported. Also you will see some increase in local manufacture of consumption goods, chiefly in Argentina and Brazil, he concluded.

James A. Farrell, chairman of the National Foreign Trade Council, declared that the determination of the Americas to resist economic encirclement by countries seeking to make them mere economic vassals, has been significantly proclaimed by the countries gathered at the Panama Conference, at which the United States was represented. Mr. Farrell said that the effects of our trade agreements have been neutralized over a wide area by wars of conquest in Asia and Europe. We must be prepared, he added, to counteract this narrowing of our trade opportunities by exploring the possibilities of increased inter-American trade and in other areas influenced by our trade agreements.

Dr. G. W. Carver Gets 1939 Roosevelt Medal

Dr. George Washington Carver, Negro agricultural chemist, has been selected as one of the recipients of the 1939 Roosevelt Medals, given annually for distinguished service in the fields associated with the career of the late Theodore Roosevelt. The medal will be presented by the Roosevelt Memorial Association at a dinner in the associations headquarters in this city on October 27.

Of Dr. Carver, who was of slave parents and, in his boyhood, was bartered for a racehorse, the association's citation said:—

"He has won recognition as one of the foremost agricultural chemists in the country and as a vital factor in the economic and social progress of the South: He has given his inventions freely to mankind, refusing staggering sums offered for their commercial exploitation. His researches are transfused with a social vision which is both penetrating and impassioned. His experiments have behind them the determination to expand the economy of the South by stimulating the production of a wide variety of crops and to build up both industry and agriculture by demonstrating the wide industrial possibilities of secondary, and even waste, agricultural products."

Toiletry lines are desired by a visitor from Panama now in the United States. Full details regarding this visitor are available to accredited American firms at the chemical division of the Department of Commerce, by referring to Foreign Visitor No. 1095.

Free Goods Deals Attacked by F.T.C.

—*Continued from page 3*

tion for services and facilities when such compensation was not made available to all competing customers on proportionately equal terms, and (3) discriminated against some customers by supplying certain services to some but not to others.

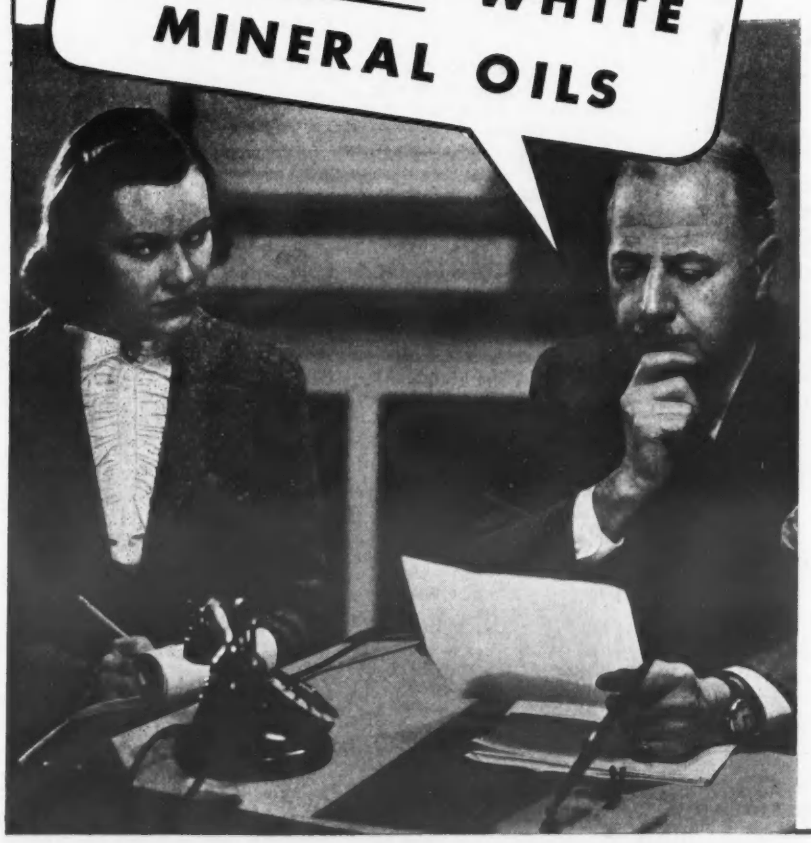
Price discrimination is alleged to have taken place in connection with the respondents' practice of including in sales to certain customers and not to others, so-called "free goods," for which no specific charge was made. It is alleged that the amount which the favored retail distributors paid for the tobacco products included in such orders was, by reason of the so-called "free goods," substantially less than the amount which competing retailers paid for an equal quantity of the respondents' products of like grade and quality.

Synthetic Wax Properties Tabulated by Beacon Co.

Five groups of synthetic waxes ranging from white to black in color from 35 to 100 degrees in melting point, and in hardness from harder than carnauba wax to softer than Japan wax, are comprehensively described in a booklet just issued by the Beacon Company, Boston, Mass. The booklet was especially prepared to simplify the location of waxes having very special properties for particular industrial usages. Its wealth of data on the characteristics of the innumerable waxes listed should make this work of interest to industries employing wax in their manufacturing processes. Copies of the booklet may be secured by addressing the Beacon Company, 89 Bickford street, Boston, Mass., mentioning the REPORTER.

Boyle Buys Black Flag Co.

The Black Flag Company, disinfectant manufacturer, Baltimore, has been sold to the A. S. Boyle Company, a subsidiary of the American Home Products Company, Jersey City.



• Many of today's manufacturers of cosmetic, industrial and pharmaceutical products are becoming more and more conscious of the fact that their business is a public trust. Hence they are buying White Mineral Oils from manufacturers of unquestioned integrity—such as The Atlantic Refining Company.

Atlantic White Mineral Oils, U. S. P., are reasonably priced, uniform, pure. Buyers are especially pleased with the improved line-up of White Mineral Oils which meets some of the industry's more recent requirements.

Write for free working samples of Atlantic Atreols, Odnol and Ultrols. The Atlantic Refining Company, Technical Sales Division, 260 South Broad Street, Philadelphia, Pa.

ATLANTIC WHITE MINERAL OILS

ATLANTIC THE ATLANTIC REFINING COMPANY PHILADELPHIA, U.S.A.

DISTRIBUTORS IN KANSAS CITY, NEW ORLEANS, CHICAGO, ATLANTA, CLEVELAND, GREENSBORO, PITTSBURGH, BUFFALO, AND ST. LOUIS

Close inspection of this Acacia tear formation shows why special milling and special cleaning, to remove natural impurities, is necessary to produce the fine quality of our No. 1 U. S. P. Powdered Gum Acacia.

Windstorm, Sand, Wood and ACACIA . . . .

Preparation of Powdered Gum Acacia (Arabic) presents a difficult job if a quality product such as our No. 1 U. S. P. Powdered Gum Acacia is desired. The problem: to remove ingrained bark (caused when acacia forms around bits of bark) and sand (tiny particles driven in by sandstorms).

The separation method evolved by S. B. Penick & Company — special cleaning, separation and milling processes—yield a gum much superior to the average No. 1 powder. While the official standards cover for practical purposes, only a maximum ash allowance, the Penick Powdered Gum Acacia goes far beyond that. Try it and see its quality for yourself. You'll find we have the preparation of gums down to a fine science.

Grinding to Your Special Requirements

This tree tapping is on a cultivated plantation which produces the grade used by us in the preparation of No. 1 U. S. P. Powdered Gum Acacia. Acacia Trees also grow wild but their gum is very irregular in its properties.

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TRAGACANTH TAHLA
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132 NASSAU STREET, NEW YORK **1228 W. KINZIE STREET, CHICAGO**

THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Bids Wanted

Acid, Muriatic:—2,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3659, opening October 25.

Acetone:—3,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3659, opening October 25.

Alcohol:—10,000 wine gallons; General Purchasing Officer, Panama Canal, Washington; schedule 3659, opening October 25.

Calcium Resinate:—4,000 pounds; Commanding Officer, Frankford Arsenal, Pa.; invoice 442, opening October 19.

Cellulose Acetate:—11,600 cubic feet; Chemical Warfare Service, Edgewood Arsenal, Md.; invoice 212, opening October 24.

Chrome, Green:—1,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3659, opening October 25.

Yellow:—3,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3659, opening October 25.

Copper Oxide:—3,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3659, opening October 25.

Grease, Cup:—5,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3659, opening October 25.

Lubricating:—4,000 pounds; Purchasing and Contracting Officer, Raritan Arsenal, N. J.; invoice 32, opening October 20.

Lampblack:—3,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3659, opening October 25.

Lead, Red:—50,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3659, opening October 25.

White:—100,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3659, opening October 25.

Sulphocyanide:—1,500 pounds; Commanding Officer, Frankford Arsenal, Pa.; invoice 442, opening October 19.

Lime, Hydrated:—2,000 bags; Commanding Officer, Picatinny Arsenal, N. J.; procurement 472, opening November 6.

Magnesium Silicate:—3,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3659, opening October 25.

Mercury Oxide, Red:—1,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3659, opening October 25.

Mica:—150 tons; U. S. Engineer, Second District, New York, La.; invoice 112, opening October 17.

Oil, Fuel:—140,000 barrels of Navy; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 7467, opening October 26.

Supplies for region 2; Procurement Division, Treasury Department, Washington; invoice 20817-FO, opening October 23.

Supplies for region 1; Procurement Division, Treasury Department, Washington; invoice 20818-FO, opening October 23.

Supplies for region 4; Procurement Division, Treasury Department, Washington; invoice 21007-FO, opening October 26.

Supplies for region 3; Procurement Division, Treasury Department, Washington; invoice 20816-FO, opening October 26.

Oil, Linseed:—4,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3659, opening October 25.

Switch:—1,000 gallons; General Purchasing Officer, Panama Canal, Washington; schedule 3659, opening October 25.

Transformer:—5,000 gallons; General Purchasing Officer, Panama Canal, Washington; schedule 3659, opening October 25.

Paint, Coldwater:—700 gallons; Contracting Officer, Quartermaster, Fort Monroe, Va.; procurement 1, opening October 21.

Paris Green:—2,500 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3659, opening October 25.

Putty:—1,000 pounds; Contracting Officer, Quartermaster Corps, Fort Monroe, Va.; procurement 1, opening October 21.

Rosin:—6,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3659, opening October 25.

Trinitrotoluene:—426,100 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 482, opening October 20, 2,800,000 pounds, grade 1; Commanding Officer, Picatinny Arsenal, Pa.; procurement 482, opening October 20.

Turpentine:—3,000 gallons; General Purchasing Officer, Panama Canal, Washington; schedule 3659, opening October 25.

Sienna, Burnt:—1,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3659, opening October 25.

Soap:—2,000 pounds; Quartermaster, U. S. Army, Chicago; procurement 199-86, opening October 20.

Strontium Nitrate:—8,000 pounds; Commanding Officer, Frankford Arsenal, Pa.; invoice 442, opening October 19.

Oxalate:—800 pounds; Commanding Officer, Frankford Arsenal, Pa.; invoice 442, opening October 19.

Peroxide:—7,500 pounds; Commanding Officer, Frankford Arsenal, Pa.; invoice 442, opening October 19.

Venitian Red:—3,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3659, opening October 25.

Zinc Oxide:—10,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3659, opening October 25.

Trade Briefs

J. W. Pipes has been elected a vice-president of the Pepsi-Cola Company, Long Island City.

American Agricultural Chemical Company has named E. E. Wilson transportation manager.

Walgreen Company, Chicago, September sales amounted to $6,107,747, against $5,608,244 in September a year ago.

Peoples Drug Stores, Washington, September sales amounted to $1,835,270, against $1,710,974 in September a year ago.

Reed Drug Company, Baltimore, September sales amounted to $209,499, against $176,329 in September a year ago.

Crown Drug Company, Kansas City, sales in September amounted to $667,135, against $674,667 in September last year.

Virginia-Carolina Chemical Corporation has appointed T. A. Bosley traffic consultant. G. H. Alfriend, his former assistant, replaces him as traffic manager.

Bradley & Baker, operator of a fish meal and mineral feed mixture plant in suburban Baltimore, has added a new grinding unit which will increase the concern's output.

John Francis Trainor, a director of J. L. Hopkins & Co., botanical drugs, this city, has resumed his duties as general manager of the company's plant after an absence of several months on account of illness. Jesse L. Hopkins, president of the company, telling of Mr. Trainor's return, expressed his personal pleasure at the full recovery of Mr. Trainor from the severe attack of arthritis which had incapacitated him.

Johnson & Johnson, surgical supply manufacturer, New Brunswick, N. J., will make a general 5 percent wage increase in hourly and piece work for 2,600 employees on October 24.

Corporation Earnings Recently Reported

	Period.	1939 Net income.	1939 Per share.	1938 Net income.	1938 Per share.
A.P.W. Paper Co., Inc.	Year	*$130,193	....	*$252,580	...
Crown Cork International Corp.	6 mos.	189,340	.33	150,802	.13
Diamond Match Co.	6 mos.	1,048,247	.81	901,526	.65
Dow Chemical Co.	Qtr.	1,449,524	1.33	838,703	.81
International Agricultural Corp.	Year.	126,437	...	257,643	...
Loft, Inc.	7 mos.	*1,034,227	...	.....	...
Kennecott Copper Corp.	6 mos.	10,112,169	.93	8,238,985	.76
United Dyewood	6 mos.	76,667	...	*73,897	...
U.S. Smelting, Refining & Mining Co.	8 mos.	2,657,306	2.96	2,364,086	2.41
Valspar Corp.	Year.	104,818	...	79,997	...
Vanadium Alloy Steel Co.	Year.	90,890	.45	213,128	1.06
Vick Chemical Co.	Year.	2,795,897	4.00	2,248,138	3.21
West Virginia Pulp & Paper	9 mos.	400,289	...	231,783	...

* Deficit.

Pratt & Lambert Holds Sales Conference

Pratt & Lambert, Inc., held its Eastern sales meeting at the Roosevelt hotel, this city, October 12-13.

Shown at a sales conference of Pratt & Lambert, Inc., representatives in

Hotel Statler, Buffalo, are, left to right: —Granville M. Breinig, manager of the paint division; Harold E. Webster, president, and Roy W. Lindsay, vice-president and general sales manager.

Botanical Drugs, Spices, and Gums

Henbane and Lycopodium Scarcity Reduces Prices to Virtually Nominal Position — Domestic Spikenard Crop Small — Fir Balsam Up—Larkspur Seed Strong—Demand Curtailed

Trading in botanicals continued along lines laid out during the previous week. A slowing down of superordinary demand and a restoration of more consideration request kept sales volume restrained and closer to normal throughout the period. No weakening of prices, however, resulted.

On the contrary, prices proved substantially strong in most instances and, in others, they displayed full stability. The position of domestic botanicals appeared to be stronger, possibly to an extent beyond reasonable understanding. One-quarter stated that the strength of prices on domestic crude drugs might almost lead to the conclusion that the war was being fought here and not in Europe.

There was no doubt that as European botanicals have increased in price, a notable strengthening, and even advance, in the primary cost of domestic items has taken place. Last week, the strengthening was of a sympathetic character that was totally unrelated to actual conditions governing the size of stocks available and the totality of consuming demand.

European outlets for stored stocks of botanicals were slightly less clouded last week. It appeared likely that through Italian ports a supply of botanicals would move to this country. Movement of stocks, however, was subject to all the cribbing effects of war. Steamer space from Italian ports was at a premium. Also, arrivals of export parcels at such ports was highly uncertain. Finally, there was the accumulating cost of transport that added much to the eventual value of stocks reaching this country in the future. Regardless of a slower demand, there was, therefore, no weakening of the general price structure. It continued to be a sellers' market.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Copaiba balsam, 2c. per lb.
Dandelion root, 1c. per lb.
Fennel seed, German, large, 1c. per lb.
Fir balsam, Canada, 50c. per gal.
Oregon, 5c. per gal.
Henbane leaves, 35c. per lb.
Larkspur seed, 35c. per lb.
Lycopodium, 25c. per lb.
Spikenard root, 4c. per lb.
Tonga vine, 15c. per lb.
Tolu balsam, 2c. per lb.

Reduced

Wormwood leaves, 1c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
184.3	179.6	158.4	121.6

Market news that may have developed after this report was sent to press will be found on page 4.

	Bags	
	Detained.	Entered.
Anise	123	1,790
Belladonna	...	260
Caraway	1,864	23,159
Cardamom (cases)	32	1,077
Celery	...	1,736
Coriander	195	11,672
Cumin	278	3,327
Digitalis leaves (cases)	...	...
Dill	...	1,026
Fennel	421	1,401
Henbane leaves (bales)	...	126
Mustard	...	19,552
Poppy	...	25,012
Sage leaves (bales)	...	1,392
Sesame	2,264	14,951
Stramonium	299	389
Thyme	40	1,061

Balsams

Copaiba.—The market continued to rise. Replactments were higher and not readily obtainable, neither as to purchase nor shipment. Para balsam was up to 35c. to 36c. per pound; South American, 37c. to 39c.

Fir.—Canadian balsam was lowest at $11 to $11.50 per gallon, and Oregon balsam was priced at 90c. to $1. Both were in excellent request at the advance in prices.

Tolu.—Local quotations were 50c. to 52c. per pound, a price in line with replacement cost and in keeping with a broadening of demand.

Barks

Cascara.—Prices on the Pacific north coast have risen substantially and spot quotations at 12c. to 13c. were much firmer and tending higher. It was said that it is now believed that British requirements will be larger.

Cinchona.—The total importations in 1939 were 1,836,000 pounds, compared with 1,836,000 pounds in 1937, and 2,051,000 pounds in 1936. In 1938, the bulk of imports, or 1,342,000 pounds, came direct from the Netherlands East Indies. Shipments direct from Holland were nil, according to the Department of Agriculture; in 1936, Holland supplied 1,851,000 pounds of the total for that year. Ecuador, in 1938, sent 6,000 pounds, against 22,000 pounds in 1937, and 44,000 pounds in 1936. In August, 1939, a total of 248,200 pounds were imported, from the following points:—Guatemala, 2,100 pounds; Ceylon, 3,360 pounds; Netherlands Indies, 242,740 pounds.

Elm.—Demand has begun to broaden. Consumers were in the market for supplies to cover needs early in the season of largest consumption. Prices became firmer.

Orange Peel.—It looked like a poor future for imports. Connection with primary markets has become infrequent and uncertain. Prices were uniformly firm and subject to confirmation.

Soap.—Cut bark was practically out of the market. Eventually, a domestic substitute for the German article may come on the market. Whole, crushed and powdered materials were strong. Primary market shipments were subject to the hazards and high costs incident to the war.

Beans

Calabar.—An inactive market continued firm mainly because of difficulties as to replacements. Reserves were inconsiderable. Recent advances were maintained.

Vanilla.—Demand can easily put the market higher—a condition not wanted by most importers since their ability normally to replenishing diminishing stocks are not of the best. Sellers have been compelled to retreat to a policy of selling only a short distance ahead and to the practice of keeping sales to individual consumers down to their normal takings. Prices were very firm and there was practically no competitive worthy of the name.

Berries

Buckthorn.—There was a demand and there was market strength to account for fully maintaned prices at levels recently established locally. The "when" of getting more stocks was unanswerable.

Saw Palmetto.—Just why this article should have risen in price was difficult to understand; it is a domestic coming from Florida, grows wild, and only needs picking. Yet, it remained at the higher level of 8c. to 9c. per pound.

Flowers

Arnica.—Some quarters were cleaned out of supplies. Those still holding goods conserved them. Sales already made have reduced stocks to a very few bales. It seems likely, however, that replacements may eventually reach here through Italian export points.

Chamomile.—Prices remained strong. In August, one month before war was declared, 28,902 pounds reached here. Hungary sent 5,512 pounds; Roumania, 22,288 pounds; Yugoslavia, 1,102 pounds. None of these countries are in the war directly but all are menaced. Shipments can still be made through Italian ports. When, and at what cost, remains to be established by accomplishment.

Lavender.—All prices were nominal. Shippers have warned of their inability to do further business. A period of lean stocks, and eventual exhaustion, appeared to loom ahead.

Pyrethrum.—A slightly easier tone has developed in Japan, for what reason no one was sure. Possibly because prices were already extraordinarily high. August imports from Japan totaled 201,600 pounds; Kenya Colony, 216,608 pounds; Yugoslavia, 76,976 pounds—a total of 495,184 pounds.

Gums

Aloe.—Not a sign of an even potential easing of the market could be found. The most used variety comes from Curacao, off the coast of northern South America. The primary market is in the Netherland West Indies, a colonial possession of Holland. Therefore, Curacao aloes are subject to exactly the same influences that have caused sharp rises in not only the cost but the transportation expense from points in and nearby South America. Importers stated that there was little chance of the market weakening. August imports from Curacao totaled 177,450 pounds.

Arabic.—The sea lane from the primary market through the Mediterranean Sea is still open but costs of transport through a potentially dangerous war zone are high and shipping space is hard to get. Therefore, prices for this article continued strong last week and open quotations were nominal as well as subject to confirmation.

Asafetida.—Small stocks were strongly held. The primary source of supply is India. Some comes from the Near East but it has been said that such material originated in India, possibly reaching shipment ports by overland caravan routes. Hence, the unsettlement of transport caused by war apply very much to this article.

Sandarac.—No crop was collected this year. The total carry-over stock unsold at all points is probably not more than twenty tons. Hence, dealers here expect the article to reach at least 75c. per pound before stocks are exhausted.

Herbs and Leaves

Belladonna.—Latest reports from the Department of Commerce state that no belladonna was imported in August, the most recent month covered by official reports. The war began September 1 and it is still not sure that continuing supplies will reach this country through Italian ports. Hence the market remained strong, though unchanged last week.

Buchu.—Local stocks were strongly held. The price was 60c. to 65c.; prior to the war, it was 32c. to 34c. The article comes from British South Africa and hence is influenced by the war. Stocks are still available but the value and size of the new crop remains to be developed.

Henbane.—A strictly nominal market prevailed at 65c. per pound. Present values indicate the high uncertainty of getting regular and normal supplies out of Europe.

Sage.—If the cost of seasoning sausage counts much in final prices, the consumer costs of this breakfast vivande should be up this year. The rise in sage is already more than 300 percent.

Senna.—Steady prices prevail at the recent advances. August imports totaled 302,837 pounds, W. Egypt shipping 6,864 pounds and British India, 295,973 pounds.

Stramonium.—One month before the war began, 30,086 pounds reached here from Hungary. Hungary is not in the war, yet prices have advanced to 17c. to 18c. per pound. It was said to be an article worthy of close watching.

Miscellaneous

Ergot.—News from abroad indicates that holders of the unknown Spanish and Portuguese stocks realize fully the advantages of their position now that Polish material is wiped out as a market influence. The spot market responded to the foreign situation by holding strong. August imports were 16,719 pounds—in the last month before the war.

Lycopodium. — A nominal price of $4.25 per pound prevailed and could be readily obtained since stocks were down to a few pounds. With Poland wiped out, the future of supplies was unknowable. Imports in August totaled 3,605, an indication of action taken by local importers when war was imminent.

Manna.—Only 466 pounds came from abroad in August and, strange to write, from the United Kingdom instead of from Italy, the primary market. The spot market held strong last week.

Nux Vomica.—August imports totaled 56,000 pounds, all from British India. It was said last week that a continuing supply should reach this country regardless of the war.

Papain. — Local conditions warranted the very firm prices prevailing. August —the last month free from war influence—found 22,505 pounds reaching

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

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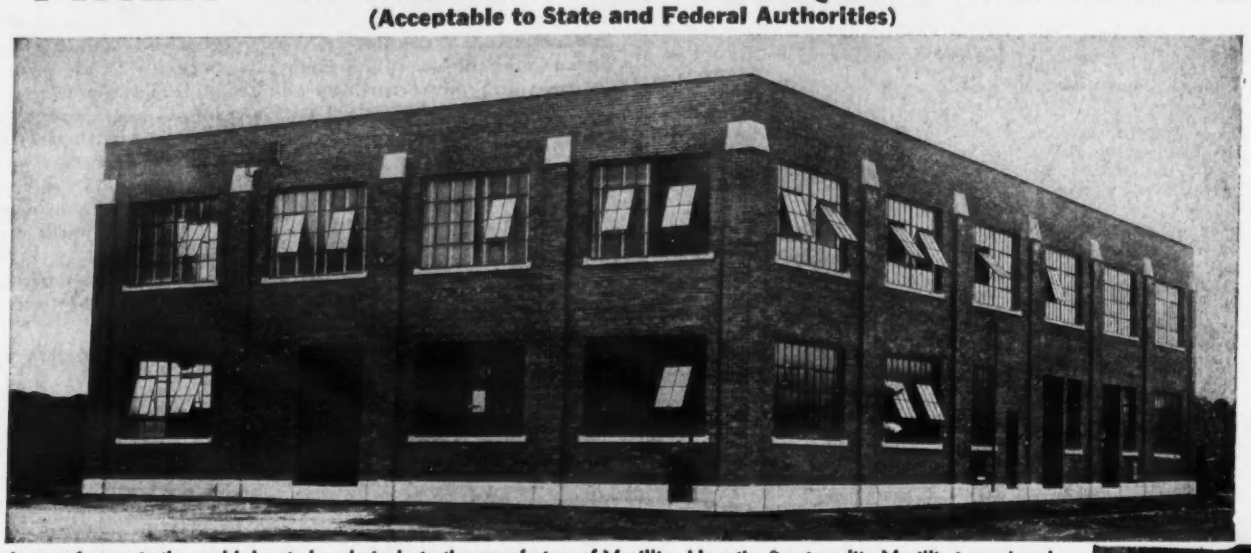

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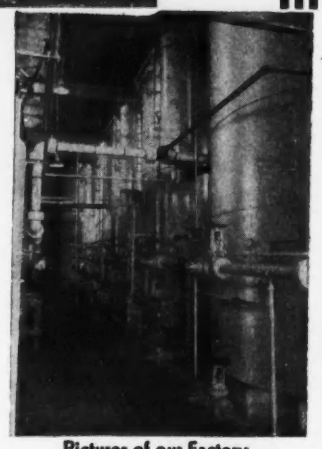

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this country. Ceylon, Japan and British East Africa were the exporting countries. Japan gets its supply from the mandated island of Ponape. By 1944, production in this island is expected to reach 15 metric tons per month.

Roots

Dandelion.—The market was higher at 27c. to 28c. per pound. The strength of this root stemmed from the fact that future supplies depend on the ability of local importers to get goods out of Germany and Russia. From Russia the transport route is still open, though criss-crossed by the barricades of war. From Germany the direct routes are closed.

Derris.—British Malaya is gaining as a shipper of this item. August arrivals totaled 46,130 pounds. Other shippers were the Netherland Indies, scoring 50,729 pounds, and the Philippine Islands with 12,939 pounds—a total of 109,798 pounds. The war has not affected spot prices, as yet.

Gentian.—The spot market continued very firm as to price and, in tendency, upward. The latest import statistics released by the Department of Commerce show no arrivals in August, the month before the war.

Ginseng.—Ginseng grows commercially only in North America. Yet, the United States is an importer. And the August import figures reveal curious sources of origin. From China, 16 pounds; China is our best customer. From French Indo-China, 2 pounds; who sent 2 pounds of American ginseng to the United States. From Japan, 1,250 pounds; how did Japan get ginseng to export, and who got it here? From Canada, 48 pounds; it grows there, hence not unusual.

Ipecac.—The spot market continued firm at the recent advance. August imports totaled 4,609 pounds coming from Costa Rica (1,456 pounds), and from Nicaraugua (3,153 pounds). What has become of Brazilian ipecac, the Matto-Grosso root of commerce?

Seeds

Fennel.—Large German seed were higher at 33c. to 34c. per pound and the future of the article was definitely connected with the war.

Larkspur.—Sales were made at 85c. to 90c. per pound and spot stocks shrank sharply without dealers being assured of a continuing supply.

Lobelia.—There seemed to be no reason why this article should change substantially in price since it is a home product and utterly unrelated to the progress of events now controlling the domestic botanical market.

Sabadilla.—The article was difficult to import and available only at the expense of the much higher transport costs incident to the war. Local prices were very firm, yet unchanged.

Stramonium.—The future of this item was related definitely to the future of stramonium in Europe—which meant a future controlled by war and its interference with normal commerce. Spot prices held firm.

Spices

Cassia.—All kinds remained firm with shipments controlled by shipping conditions and prices being regulated mainly by availability of cargo space, insurance against the risk of war, and the higher ocean freight rates.

Clove.—A rather less agitated, yet still strong market, prevailed at all points. No competition existed locally.

Ginger.—Import cost has not declined, nor has there been a development of competition sufficient to affect the still firm position of spot stocks that ruled at firm prices last week.

Peppers.—While import costs have risen to the extent of higher insurance and ocean freight rates, the basic position of this group last week was unchanged. Black Lampong pepper was still not much above its lowest price.

Trading in black pepper futures on the New York Produce Exchange from October 7 to October 13, inclusive, comprised 56 contracts, a total of 1,881,600 pounds. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
January	3.99	3.88	3.95@4.00
March	4.19	4.09	4.07@4.14
May	4.14	4.10	4.16@4.24
July	4.30	4.16	4.23@4.27
October	3.90	3.77	3.89@4.10
December	4.00	3.94	3.92@3.99

Trade Briefs

Bohn Aluminum & Brass Corporation, Adrian, Mich., plans the erection of $100,000 factory.

Harrison Lawler has been appointed director of public relations for the Richfield Oil Corporation, Los Angeles.

Standard Oil Company of New Jersey is adding three 3,000-barrel tanks and a new truck-loading rack at its plant in Baltimore.

Shell Oil Company has started construction of a $600,000 gasoline extraction plant in the Magnolia field of Columbia county, Ark.

Socony-Vacuum Oil Company and the Texas Corporation were reported to have completed construction of 12-inch pipe line from the Barco oil concession in Colombia to Barranquilla, on the Caribbean Sea.

Amarillo, Texas, used more than 50,600 gallons of paint and varnishes in more than 15,500 painting and decorating jobs in this year's clean-up and paint-up compaign.

Continental Oil Company plans an expenditure of $1,500,000 for increasing the size of its refinery in Ponca City, Okla.

I. Sekine Company, manufacturer of toothbrushes and other brushes, this city, has added to its Baltimore plant a department for the production of brush handles from plastics.

American Agricultural Chemical Company, this city, has let a contract for the erection at its Baltimore plant of a building to be equipped as locker and dressing rooms for employees.

The Barrett Company, this city, has established an office in Memphis to cover Arkansas, central and western Tennessee, Kentucky, southern Missouri and southern Illinois. E. J. Willis has been named manager of the office.

E. I. du Pont de Nemours & Co., Wilmington, has started erection of a new plant, Clinton, Iowa, for the manufacture of cellophane cellulose film, which was announced two years ago but actual erection of which has been delayed because of adverse business conditions.

ESSENTIAL OILS

The integrity of the house with which he deals is a consideration of utmost importance for the buyer of essential oils. But it is not his sole concern. He must take into account also that firm's sources of raw supplies. In our case, long experience and large-scale purchases have gained for us preferential selection of many of the finest crop oils produced. This advantage, coupled with our careful quality control and exclusive method of rectification where necessary, assures better-than-average quality and uniformity to users of FRITZSCHE'S ESSENTIAL OILS.

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Essential Oils, Aromatic Chemicals

Prevailing Tone Firm Despite Further Slowing Down in Demand —Offerings Light Owing to Uncertainty Concerning Future Supplies—Quotations in Many Cases Still Nominal

A firm tone continued to prevail in the market for essential oils and aromatic chemicals last week. The trend of prices, which had been sharply upward in recent weeks, leveled off somewhat, the number of increases reported being fewer than in the preceding weeks. As regards new business, quieter conditions obtained, with consumers in most instances showing the inclination to delay purchasing operations pending further developments in the war situation abroad as well as in domestic political affairs. Despite the slowing down in demand for some essential and aromatic materials however, the inquiry for not a few other products in the same category continued good. Sellers in certain cases also reported that they were still actively engaged in forwarding requisitions on contracts previously closed. Spot supplies of many products have been materially reduced through the active buying movement of recent weeks, and sellers were for the most part reluctant to quote beyond immediate buying orders. Offerings were still light, and it was the consensus of opinion that they would remain so until the removal to some degree of the uncertainty concerning future supplies. As a result of these circumstances quotations in many commodities continued nominal.

Substantial shipments of Bergamot, Lemon and Lime oils came from Italy during the past week. However, with the war likely to continue, there was a growing apprehension that replacement costs will remain difficult to determine on all imported items. Sellers were hopeful that buyers would not become panicky again, and bring about another avalanche of buying. Domestic oils continue to display firmness.

The demand for aromatic chemicals was fairly steady during the period, although sellers did report some slackening in business activity from the volume of the past six or seven weeks. Quotations were mostly nominal, the fluid condition of the markets generally resulting in costs virtually being placed on a day-to-day basis. Recorded changes in the market were on the upside. Its tone was described as firm. Sellers were noncommital with respect of the trend of prices very far in advance. It was pointed out that future prices would be largely determined later in the year when raw materials and operating costs could be more clearly defined.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Cassia oil, 5c. per lb.
Coriander oil, $1.25 per lb.
Eucalyptol, 20c. per lb.
Eugenol, 35c. per lb.
Fennel oil, $1 per lg.
Lemongrass oil, 7c. per lb.
Lime oil, W. I., dist., 30c. per lb.
Nutmeg oil, 15c. per lb.
Pimento berries, oil, 20c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
89.8	89.6	81.4	69.1

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—The market retained a firm tone, quotations being maintained at the advance noted in the previous week with the figures nominal. There was a good inquiry.

Anise.—Demand slackened to some extent after the recent advance in prices but the tone continued firm and quotations were still mainly nominal.

Bergamot.—Nothing new was noted in the way of primary developments. Offerings were still light here and local quotations were nominal. There was a steady inquiry.

Caraway.—Strong prices continued to reflect the depleted condition of stocks in this material. Suppliers were still confronted with the task of securing shipments from abroad. Demand continued fair.

Cassia.—A much firmer tone was prevalent in the market, quotations alvanced 5c. per pound to the $1.30 per pound level. Local sellers were not able to make substantial offerings at this time.

Coriander.—The market was stronger owing to a further shrinkage in supplies. Sales were reported at $15 per pound and there was apparently little available at less than that figure. Quotations at the close of the week were nominal.

Eucalyptus.—An increase was noted in the volume of inquiries, and a further expansion in demand was expected in the near future with the advance of the active consuming season. With spot supplies small and diminishing, the market presented a very firm appearance.

Fennel.—The trend of prices was upward. There was a good inquiry and sales were reported at $3 per pound. Supplies are small and there was apparently no prospect of any additions to stocks in the near future.

Hemlock.—Quotations were maintained at recently advanced levels with the tone of the market firm. Sellers were reserved and quotations were mainly nominal. There was an active inquiry.

Lemon.—Demand held up well and the market continued to present a decidedly firm appearance, quotations on all descriptions being well maintained at recently advanced levels. Offerings of imported oil were still reported as light, with more or less uncertainty concerning any change in the situation abroad in the immediate future. Quotations remained nominal.

Lemongrass.—Quotations were advanced 7c. per pound and the tone of the market was very firm at the rise. There was a good inquiry. Supplies in some quarters appeared to be light and diminishing. Quotations were nominal.

Lime.—Higher prices were quoted for West Indian oil owing to a further shrinkage in spot holdings and uncertainty concernig future supplies.

Nutmeg.—There were no new developments in the way of price changes, but the market retained a firm tone. Demand was reported as good, buying interest being stimulated by the firmness of both basic material and product.

Patchouli.—A firm tone prevailed, the recent advance being a reflection of increased replacement costs. There was a good inquiry. Supplies on spot were reported as light and prices were generally nominal.

Peppermint.—The market remained in a firm position, but there were no further advances in local prices. The primary position was reported as firm. There was a good inquiry here. Prices were generally nominal.

Pimento, Berries.—Quotations were 20c. per pound higher at $4.35 per pound. The market, however, was strictly a nominal affair. Offerings were not very large, and inquiry was steady.

Sandalwood.—Supplies of the wood arriving in this market for distillation continued light, thereby impeding the production of the oil in this country. As a result this item continued in a nominal position, with sellers awaiting a more clearly defined position.

Sassafras.—Quotations were firmly held at the advance announced in the previous week, the figures being more or less nominal. There was a good inquiry.

Aromatic Chemicals

Anethol.—The market was strictly a nominal affair, reflecting the unsettled conditions prevailing for the past several weeks. Demand was regarded as only fair.

Anisic Aldehyde.—Sellers were not disposed to name any definite quotation at this time, and the market was regarded as entirely nominal. Demand was fairly steady.

Citronellal.—Firm conditions continued to prevail in the market. Sellers were cautious in accepting all business under present circumstances.

Citronellol.—Quotations in this item continued nominal, with suppliers reporting a good demand prevailed for the limited supplies available. The trend of production costs upward supported the firm position displayed.

Eucalyptol.—A sharp advance occurred in the market, with quotations 20c. higher at the 85c. per pound basis. The market was regarded as strictly nominal affair in view of the uncertain replacement costs.

Eugenol.—The market advanced 35c. per pound to $2.25 per pound, reflecting the higher raw material costs. Demand was good and sales were made at the higher figure.

Heliotropine.—Few sellers were inclined to disclose even nominal quotations of this item until there occurred some dispersion of the uncertainty surrounding production costs. Occasional displays of interest in offerings by buyers seeking to cover future requirements supplied strength to the market.

Menthol.—The market was 5c. per pound higher, ranging from $3.35 to $3.45 per pound on natural material. The rise was attributed to foreign influences, rather than to any unusual buying.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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Urea naphthoate
Urea nitrate
Urea oxalate
Urea propionate
Urea salicylate
Urea sulphate
Urea valerate
Urethanes
Veratrol
Vetivenol
Vetivenol acetate
Vinyl acetate
Vinyl chloroacetate
Xylamide
Xylene benzylnitrochloride
Xylene bromide
Xylene chloride
Xylene nitrobromide
Xylene nitrochloride
Xylyl compounds

Naphthenes

Emulsifiers for Naphthenes

Acacia
Acetanaphthalenedisulphonic acid
Agar
Albumen
Alkali hydroxides
Alkali sludge sulphonates
Alkali sulphonates
Alkylether alphathiosulphonic acids and their salts
Ammonium linoleate
Ammonium tannate
Amylamines
Amyltetrahydronaphthalenecarboxylic acid
Anthracenesulphonic acid
Benzylcellulose
Benzylstarch
Butyl acetylricinoleate
Butyl ester of acetylated polymerized ricinoleic acid
Butyl ricinoleate
Carragheen ethylether
Carragheen methylether
Casein
Castor oil, acetylated
Castor oil, acetylated polymerized
Castor oil fatty acids
Cellulose ethers
1:6-Chloronaphthalenesulphonic acid
Clay
Dextrin
Diamylamines
Diethylaminobetaoxypropylamine
Diethylbenzylethylenediamine
Diethylene oxide
Diglycol stearate
Emulsifier B 585
Emulsone
Ethyl acetylricinoleate
Ethyl ester of acetylated polymerized ricinoleic acid
Ethyl ester of polymerized ricinoleic acid
Ethyldextrin
Ethylstarch
Gelatin
Glycopon
Gluten
Gums
Hemicellulose
Ivandine N
Inulin etheylether
Inulin methylether
Isinglass
Kaolin
Isopropylchloronaphthalenesulphonic acid
Lichinin ethylether
Lichinin methylether
Meta-aminodimethylanilin
Methyl acetylricinoleate
Methyl ester of acetylated polymerized ricinoleic acid
Methyl oleicsulphonate
Methyl ricinoleate
Methyl undecylinate
Methylcellulose
Methyldextrin
Methylenedisulphonic acid
Methylethyleneglycol monopalmitate
Methylstarch
Miscibol
Monobutylnaphthalenesulphonic acid
Mucilages
Nucleinic acid
Oleic acid
Pectins
Polysaccharides
Polysaccharide ether
Potassium betatetrahydronaphthalenesulphonate
Potassium heptylnaphthalenesulphonate
Potassium hexylnaphthalenesulphonate
Potassium isoallylnaphthalenesulphonate
Potassium oleoabietate
Potassium pentylnaphthalenesulphonate
Proteids
Proteins
Ricinoleic acid
Rosin
Saponin
Sludge sulphonates
Sludge sulphonic acid
Soaps
Soap sludge sulphonate
Sodium alginate
Sodium alphatetrahydronaphthalenesulphonate
Sodium betatetrahydronaphthalenesulphonate
Sodium decylsulphonate
Sodium oleate
Sodium pentanaphthalenesulphonate
Solvoil
Soybean lecithin
Starch
Tannic acid
Tannins
Triamylamines
Triethanolamine
Triethanolamine oleate
Trihydroxyethylamine
Trihydroxyethylamine linoleate
Trihydroxyethylamine stearate
Tragacanth

Nitrates

Special Reagents for Detection of Nitrates

Brucine
1:4-Diphenyl-3:5-endanilo-4:5-dihydro-1:2:4-triazole
Diphenylamine
Diphenylbenzidin
Nitron

Nitrites

Special Reagents for Detection and Testing of Nitrites

Dimethylanilin
Diphenylbenzidin

Nitrous Acid

Catalysts Used in Manufacture of Nitrous Acid

Cobalt vanadate
Manganese-silver chromate
Metal oxides
Nickel
Platinum
Platinum black
Silver molybdate
Silver phosphate
Silver vanadate
Tin chromate

Catalysts Carriers Used in Making Nitrous Acid

Asbestos
Bauxite
Bentonite
Metal gauze

Special Reagent for Nitrous Acid

Metaphenylenediamine hydrochloride

Nitro Compounds

Catalysts Used in Reduction of Nitro Compounds

Cobalt
Cobalt acetate
Cobalt carbonate
Cobalt formate
Cobalt hydroxide
Cobalt lactate
Copper
Copper acetate
Copper hydroxide
Copper lactate
Copper nitrate
Copper oxide
Iron acetate
Iron compounds
Iron formate
Nickel
Nickel acetate
Nickel carbonate
Nickel carbonyl
Nickel formate
Nickel hydroxide
Nickel lactate
Nickel nitrate
Nickel oxide
Palladium
Palladium, colloidal
Platinum
Platinum, colloidal
Platinum group metals
Potassium chloroplatinate
Silver
Silver, colloidal
Thallium-methyl
Tin-methyl
Tungsten
Vanadium
Zinc-methyl
Zinc dust

Catalyst Carriers Used in Treating Nitro Compounds

Asbestos
Clay
Diatomite
Kieselguhr
Metal cylinders
Petroleum coke
Pumice

Reagents for Reduction of Nitro Compounds

Copper with acid
Hydrogen
Hydrogen with cobalt
Hydrogen with copper
Hydrogen with iridium
Hydrogen with iron
Hydrogen with nickel
Hydrogen with osmium
Hydrogen with platinum
Hydrogen with tin
Hydrogen with tin oxide
Iron with acid
Iron oxide with acid
Nickel with acids
Platinum
Water gas
Zinc dust with hydrochloric acid

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WAREHOUSE STOCKS MAINTAINED IN:
New York, Chicago, Detroit, Los Angeles, St. Louis, Atlanta, Boston, Scranton and Cleveland

penn drake petroleum products

PENN-DRAKE PRODUCTS
U. S. P. White Oils and Technical Oils... Petrolatums... INSECTI-SOL ... Waxes... Naphthas ... Rubber Solvents Motor oils and greases ... High flash lubricants... Industrial lubricants and greases

Petroleum Solvents Lubricants, Fuels

Solvent and Diluent Tankwagon Prices Advanced in East — All Petrolatum Grades Higher and Becoming Scarce — Crude Scale Wax and Lubricants Up in Midcontinent

The anticipated advance in prices of petroleum solvents and diluents materialized last week when major suppliers boosted tankwagon quotations ½c. per gallon at Eastern points. They also equalled the ½c. hike in tankcar prices made by one of them two weeks ago. The naphthas continued to move well following the advance. There was a widespread interest in all naphthas in the Midcontinent area, but refiners were not contracting for future delivery at present prices. Reports from Chicago indicated that some irregularity persists in the market with prices quoted over a considerable range. Major suppliers of domestic white mineral oil failed to meet the advance made by one of them two weeks ago. Crude scale wax was very scarce and available material was quoted at a high figure. Petrolatum was advanced and was becoming scarcer.

Crude oil prices were boosted in Pennsylvania and certain sections of Michigan, Illinois and East Texas. The Michigan advance established the first dollar-oil in that state this year. Gasoline was in good demand in all sections due to mild weather. For the same reason kerosene and heating oils lagged, but prices held to previous levels. Due to the crude advance, Pennsylvania lubricants were very strong and the price in the Midcontinent was advanced.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Oil, fuel, group 3, 5c. to 10c. per bbl.
lubricating, group 3, 1c. per gal.
Paraffin, crude scale, ½c. per lb., basis group 3.
Petrolatum, 1c. per lb.
Petroleum, crude, 4½c. to 25c. per bbl.
lacquer, diluent, ½c. per gal.
naphtha, cleaners', ½c. per gal.
v.m. & P., ½c. per gal.
solvent, rubber, ½c. per gal.
stoddard, ½c. per gal.
thinners, ½c. per gal.

Reduced

None

Market news that may have developed after this report was sent to press will be found on page 4.

Solvents and Diluents

Cleaners' Naphtha.—Major suppliers equalled the ½c. per gallon advance made two weeks ago in the tankcar price. Tankwagon quotations were also up ½c. making the price at New York 10½c.

Lacquer Diluent.—The tankcar price was stabilized at 9½c. per gallon. Demand was lighter.

Petroleum Thinners.—The tankwagon price was advanced ½c. per gallon to 10½c. at New York. The tankcar quotation was stabilized at 9c. per gallon for 43-47 material, and 10c. to 10½c. for 47-49. Paint makers were a bit less active although demand was still satisfactory for this time of year.

Rubber Solvent.—Major suppliers equalled the ½c. per gallon advance made two weeks ago making the price 9½c. per gallon in tankcar lots. Demand was a bit lighter.

Stoddard Solvent.—The tankwagon price was advanced ½c. per gallon to 9½c. at New York. The tankcar price was quoted at 9c. per gallon. Cleaners were showing a bit more interest in offerings.

V. M. & P. Naphtha.—The tankwagon price was advanced ½c. per gallon to 10½c. at New York. Tankcar price was 9½c. per gallon. Paint makers were buying in less volume during the period.

Markets at Other Centers

Chicago, Oct. 13.—Some irregularity persists in the petroleum diluent and solvent market here. Sellers in tankcar lots apparently are viewing the situation from different angles, because prices are quoted over a considerable range. Demand is reported to be fairly good on the whole, for various grades, from varied consuming lines. Ruling prices in tankcar lots except as noted are (tankcar prices f.o.b., Group 3, Oklahoma);—Blending naphtha, 4¾c. to 5c. per gallon; cleaners' naphtha, 6⅜c. to 6½c., tankcar; 17.5c., tank wagon; petroleum spirits, 5⅜c. to 5½c., tankcar; 16.2c., tank wagon; lacquer diluent, 7⅜c. to 7½c.; rubber solvent, 6⅜c. to 6½c.; Stoddard solvent, 5⅞c. to 6⅜c., tankcar; 15.9c., tank wagon; v.m. & p. naphtha, 6⅜c. to 6½c., tankcar; 16.5c., tank wagon.

Tulsa, Oct. 13.—Widespread interest in all grades of naphthas for forward delivery is noticeable. Industrial plants are seeking flat quotations for rubber solvents over a period but with the possibility of a general price advance in the crude oil market later on, refiners are cautious about quoting on all industrial oils with the exception of immediate delivery which can be had at quotations which prevailed last week for cleaners, rubber solvents, Stoddard, V.M.P. and blending naphthas.

Lighter Fractions

Butane.—The price was strong, although no advance was made. Material was offered last week at 2½c. to 3c. per gallon in tankcar lots.

Hexane. — Demand was holding to good levels with sales made at 12½c. per gallon for the normal material and 14c. for the laboratory.

Heptane.—The price was stronger but unchanged. Demand was off a bit, but at a good level for this time of year.

Pentane.—The market was active and the quoted price strong.

Propane.—Demand picked up slightly and the price was firmer. Inquiry for future delivery was at a better level.

Octane.—This mixture was in better demand during the period under review and the price firmed.

Petrolatum and Waxes

White Mineral Oils. — The trade did not meet the advance made by one supplier two weeks ago and prices for the technical grade ranged from 40c. to 47c. per gallon while the medicinal material was quoted at 46c. to 82c. per gallon.

Petrolatum.—Conditions surrounding the market were very favorable with a good demand in evidence. There was, however, a possibility that orders will have to be curtailed in the future due to a scarcity of material. The price was advanced 1c. per gallon for all grades.

Paraffin.—There was a lack of supplies of crude scale wax and sellers who were able to obtain stocks were naming their own price. The last sale reported was at 5.25c. per pound for the 122-124 material. Refined wax was also very strong, but prices were held to the previous levels.

Chicago, Oct. 13.—Refined paraffin wax is in good call, with the stringency in supply continuing to contribute the greatest interest to the situation. Buyers have been in the market more or less continuously of late for substantial lots, apparently unable to obtain all the material desired. The market is strong. Ruling prices are:—122-124, 4.55c. to 4.6c. per pound; 125-127, 4.6c. to 4.65c.; 127-129, 4.85c. to 4.9c.; 130-32, 5.15c. to 5.2c.; 132-134, 5.4c. to 5.45c.

Tulsa, Oct. 13.—Crude scale wax was very scarce and sellers were quoting 4¾c. per pound for the 124-126 material. This was ½c. per pound higher than the previously mentioned price. Refined grades were steady and stronger.

Fuels and Lubricants

Gasoline. — Demand was good last week due to the warm weather. The quoted price was unchanged and a bit stronger. The tankwagon price in the New York area was quoted at 7.4c. per gallon.

Kerosene. — Warm weather slowed down the demand for this material, but the price held firmly in view of a pick-up in the number of inquiries.

Fuel and Gas Oils.—The market was somewhat sluggish during the period under review. Demand was light due to the appearance of very warm weather. Prices were firm and unchanged.

Lubricating Oils.—Pennsylvania lubricants were very strong because of the advance in crude. No prices were changed, however. Demand was at a good level.

Crude Oil Price Changes

East Texas

Shell Oil Corporation placed crude back on a flat price of $1.10 per barrel, superseding former posting on a gravity basis.

Illinois

Sohio Corporation advanced price at Griffin pool 5c. per barrel to range of 85c. to 95c.

Michigan

Napsol Refining Company advanced price 8c. per barrel to $1.03 at Allagan and Kent fields. Pure Oil Company and Leonard Pipe Line Company advanced price 8c. per barrel to 97c. in Clare field. Pure also advanced Midland Sherman grades 4½c. per barrel to $1.02.

Pennsylvania

Major companies advanced prices 25c. per barrel to $2.25 for Bradford-Allegany crude; $1.90 for crude in Southwest Pennsylvania pipe lines; $1.84 for crude in Eureka pipe lines; $2.25 for crude in New York transit; and $2.13 to $2.25 for crude in lower district in national transit.

Markets at Other Centers

Chicago, Oct. 13. — With crude oil strengthening in various sections, the tankcar market for principal refined products is holding fully firm in the central region. Gasoline continues to move well. Tankcar prices are readily holding at best levels in months. Kerosene is in good call, as are the special tractor fuels. More interest is being displayed in the domestic heating oils at this time, and tone is steady to strong. Large consumers of heavy fuel are ordering out generously on contract. Lubricating oils have continued strong and in good demand.

GASOLINE.—Low octane motor, 4½c. to 4⅝c. per gallon; 63-66 octane motor, 4¾c. to 4⅞c.; 67-69 octane motor, 5c. to 5⅛c.; 70-72 octane motor, 5¼c. to 5⅜c.; 60-62, 400, 4½c. to 4⅝c.; 64-66, 375, 4½c. to 4¾c.; 68-70, 360, 5c. to 5¼c.

KEROSENE.—42-44, water white, 3¾c. to 4c. per gallon; 41-43, water white, 3⅝c. to 3⅞c.

FURNACE OILS.—Range oil, 3⅜c. to 3¾c. per gallon; No. 1 white, 3⅜c. to 3⅝c.; No. 1 straw, 3¼c. to 3½c.; No. 2 straw, 3½c. to 3⅝c.; No. 2 dark, 3c. to 3¼c.; No. 3, 3c. to 3½c.; 32-36, dark, industrial gas oil, 2¾c. to 3c.

—*Continued on page 64*

Outputs and Quotas

A comparison of Bureau of Mines calculations for September production, State allowable quotas where they exist and the American Petroleum Institute's estimate for crude production for the week ended October 7, follows:—

	*B. of M. Dept. of Int. calculations.	State allowable.	Estimated output.
Oklahoma ..	424,200	424,200	†408,800
Kansas	170,600	170,600	†144,050
Texas	1,444,800	‡1,360,563	‖1,255,900
Louisiana ..	260,300	258,504	253,100
Arkansas ..	56,100	65,800	66,000
Illinois	275,500	....	330,500
Eastern	99,400	....	100,550
Michigan ..	61,000	....	68,000
Wyoming ...	69,000	....	64,150
Montana ...	16,500	....	16,250
Colorado ...	3,900	....	3,700
New Mexico.	114,200	114,200	108,550
California ..	594,800	§598,300	616,300
Totals	3,590,300	....	3,435,850

* These are Bureau of Mines' calculations of the requirements of domestic crude oil based upon certain premises outlined in its detailed forecast for the month of October. As requirements may be supplied either from stocks, or from new production, contemplated withdrawals from crude oil inventories must be deducted from the Bureau's estimated requirements to determine the amount of new crude to be produced.

† Oklahoma and Kansas figures are for week ended 7 a.m. October 4.

‡ This is the net basic allowable for the month of October obtained from the best available sources and takes into consideration ordered shutdowns for 11 days during the month, namely, Oct. 1, 2, 7, 8, 14, 15, 21, 22, 27, 28 and 29. Presumably all exemptions and accretions from new wells are also included.

‖ Recommendation of Central Committee of California Oil Producers.

§ Reflects shutdown for three days of September 30, October 1 and October 2.

Diesel Engine Discovery Described in *Priorities*

The story of Rudolf Diesel and the remarkable engine which bears his name is told in the October issue of *Priorities*, house-organ of the Prior Chemical Corporation, this city. The principle of the Diesel operation, how young Diesel conceived the idea of it and the extraordinary efficiency of his engine are briefly outlined in the simple language of the layman customarily employed in the Prior publication. A feature of the story is the explanation given of the source of the economy of the Diesel, generally but wrongly, thought to be due to the use of fuel oil.

Crude Oil Daily Output Down

Daily average crude oil production in the United States during the week ended October 7 was 3,434,850 barrels, compared with 3,658,200 in the preceding week, a drop of 222,350, according to the American Petroleum Institute. The most important change was a decline of 229,200 barrels in the daily average output of Texas. Stocks of gasoline at the end of the week were 71,152,000 barrels, compared with 71,168,000 at the end of the previous week, a decrease of 16,000. A year ago they were 69,123,000 barrels. Finished gasoline stocks increased 238,000 barrels to 65,590,000 and they compared with 63,236,000 on October 7, 1938.

R. A. Kinnes has been elected to the directorate of Courtaulds, Ltd., London.

The State of the Petroleum Market

Pennsylvania crude oil was advanced 25c. per barrel which changed the price in this box.

	Oct. 13	Oct. 6	Last year
Crude petroleum prices at well (average for ten fields) per barrel.....	$1.1595	$1.147	$1.148
Gasoline prices at refineries (at four refining centers) per gallon.....	.053875	.053875	.0484375

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

NICKEL CATALYST
Also NICKEL CARBONATE - NICKEL OXIDE, Etc.
THE RUFERT CHEMICAL CO., 420 Lexington Avenue, New York, N.Y.

SHERWOOD'S
GUARANTEED QUALITY
WHITE OILS
ALL GRADES
SHERWOOD PETROLEUM COMPANY, INC.
REFINERY · WARREN, PA. MAIN OFFICE · ENGLEWOOD, N. J.

Highest quality
NAPHTHENIC ACID
CRESYLIC ACID
U.S.P. and Technical WHITE OILS
VISCOUS OILS (extremely viscous polymerized hydrocarbons)
CALODORANT GAS ODORANT
STANDARD OIL COMPANY OF CALIFORNIA
225 BUSH STREET, SAN FRANCISCO, CALIFORNIA 30 ROCKEFELLER PLAZA, NEW YORK, N. Y.

Petroleum Production—Motor Fuel Stocks

	Barrels	
	1939 Jan. 1-Oct. 14	1938 Jan. 1-Oct. 14
Commercial crude oil production	956,561,000	945,636,900
	Week ended Oct. 14, 1939	Week ended Oct. 15, 1938
Daily average production	3,418,691	3,233,100
	Week ended Oct. 7, 1939	Week ended Sept. 30, 1939
Estimated motor fuel stock total	71,152,000	71,168,000
Estimated finished motor fuel stock total	65,590,000	65,352,000

Petroleum Solvents, Lubricants, Fuels

Markets at Other Centers

—*Continued from page 53*

FUEL OILS.—No. 4, $1 to $1.10 per barrel; No. 5, 70c. to 80c.; No. 6, 60c. to 70c.

New Orleans, Oct. 9. — The domestic market remained steady during the past week with no changes being made in quoted prices. Foreign inquiries and exports were slightly below normal. U.S. Motor gasoline was quoted at 6c. and 70-72 octane at 6⅝c.—both quotations being based on a per gallon rate at refinery.

Kerosene also remained unchanged and was quoted at 7¼c. per gallon at refinery.

Bunker C fuel oil was quoted at 90c. per barrel at terminal and 95c. per barrel delivered alongside, while industrial plants in this vicinity were quoted on this commodity at $1.36 per barrel, delivered.

Tulsa, Oct. 14.—Spurred by a broadening demand and the effects of seasonal changes, heavy oils again assumed leadership and refiners are taking a definite stand against future commitments. Inquiries for forward deliveries of fuel and gas oils are in larger volume than ever experienced during normal conditions in the mid-continent. An advance of 5c. per barrel in the 22 degree fuel oil has been made in the Central refining area by most refiners. The price has reached 70c. per barrel. Heating oils and lubricants have been advanced at various points.

GASOLINE.—Low octane third grade, U.S. Motor, 4½c. to 4¾c. per gallon; 63-66 octane, 4¾c. to 5⅛c.; 67-69 octane, 4⅞c. to 5¼c.; and 70-72 octane, 5¼c. to 5½c.

NATURAL GASOLINE.—26-70, 4¼c. to 4½c. per gallon; 18-55, 5½c. to 5¾c.

KEROSENE.—41-43 grade, 3¾c. to 4½c. per gallon; 42-44 grade, 4c. to 4⅝c.

DISTILLATES.—No. 1 prime white, 3½c. to 3¾c. per gallon; straw, 3⅜c. to 3⅝c.; No. 2 straw, 3¼c. to 3½c.; dark, 3⅛c. to 3⅜c. Gas oils are 2½c. to 2¾c.

LUBRICANTS. — Brights stocks range from 21c. to 25c. per gallon and neutrals from 12c. to 17c.

FUEL OILS.—Residuals, 50c. to 65c. per barrel, while competitive fuels from central refining areas are lower but also firmer with 22 degrees at 70c. The 22-26 in the mid-continent is 85c. to 90c., and the low cold test $1 to $1.10.

Ethyl Gas to Appeal Order on Jobbers Licensing

Federal Judge Bondy, this city, has signed an order allowing the Ethyl Gasoline Corporation, subsidiary of the General Motors Corporation and the Standard Oil Company of New Jersey, permitting an appeal to the Supreme Court of the United States from a decree directing it to abolish its jobber licensing system. The decree, holding the system to be an unreasonable restraint of interstate trade, was entered in the district court August 14, 1939.

Continental Oil Company has purchased 225 miles of pipe lines and a deep-water terminal at Corpus Christi, Tex., from Crude Oil Pipe Line Company and affiliates. Purchase also included a lease of 105 acres in Conroe field, Tex., on which there are five producing oil wells.

TNEC Subpenas Head Of Petroleum Retailers

—*Continued from page 5*

the American Petroleum Institute," attempts to prevent cutting of gasoline prices, and mentioned blacklisting of dealers and threats to destroy stations by racketeering methods as examples of difficulties of independent filling station operators.

The committee kept pressing the two witnesses for additional documentary evidence of their charges, and voted to subpena Mr. Schu and his records to appear before it next week for examination on the charges made.

The oil hearings, originally scheduled for only two weeks, will run into the fourth week because of the large number of questions which committee members have asked every witness and the desire of the committee to hear additional witnesses to develop material to supplement points already touched on by earlier witnesses.

Most of the testimony during this week has concerned gasoline marketing, with several representatives of independent jobbers and retailers outlining their difficulties in competing in their marketing operations with the major companies.

Four spokesmen for Pennsylvania refiners asked the committee to see to it that they are given an open market for the sale of their products, particularly high-grade motor lubricants which is the specialty of Pennsylvania refineries. These spokesmen were Charles L. Suhr, of the Pennzoil Company; T. O. Grisell, of the Kendall Refining Company; W. R. Reitz, of the Quaker State Oil Refining Corporation; and Arthur W. Ramsdell, of the Wolverine-Empire Refining Company. They alleged that major oil companies commonly make exclusive dealing arrangements with their dealers under which the retailers are not permitted to handle lubricants other than those made by the major company.

Paul E. Hadlick, secretary of the National Oil Marketers Association, urged the committee to sponsor legislation to divorce the marketing activities from the other branches of integrated oil companies. He introduced statistics tending to show that some major companies operate their marketing division at a loss which is covered by profits from other branches.

Other independent marketers who complained of difficulties in meeting the competition of majors were George B. Ingraham, of the New Deal Oil Company, Canton, Ohio; Arnold W. Craft, of the Craft Oil Company, Avoca, Pa.; Irving B. Culver, of the National Oil & Supply Company, Newark, N. J.; and Henry A. Grouthamel, of the Maryland Association of Petroleum Retailers, Baltimore.

Labor policies of the major oil companies were described and defended by H. H. Anderson, vice-president of the Shell Oil Company, St. Louis. His testimony caused Isador Lubin, Commissioner of Labor Statistics, who is a member of the committee, to remark that wages and working conditions are very good and are much better than in most other American Industries.

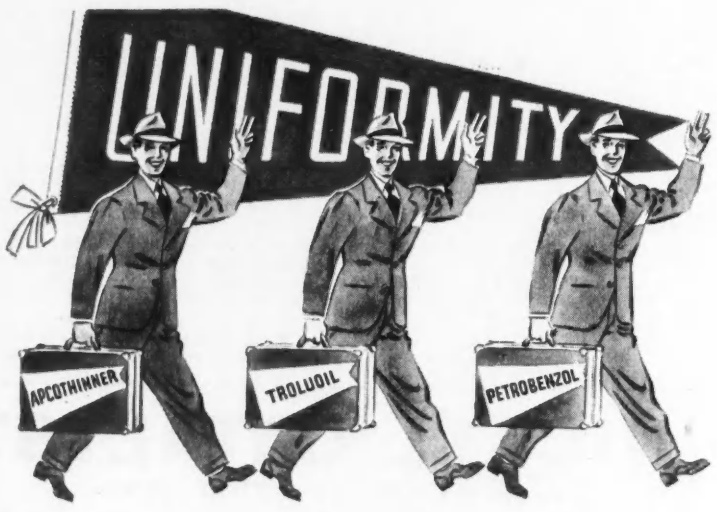
J. Edward Jones Suit Against SEC Members Dismissed

OPD Washington Bureau
October 6, 1939

The Securities and Exchange Commission reported today that Justice T. Alan Goldsborough in the United States District Court for the District of Columbia had dismissed the action brought by J. Edward Jones against certain members and former members of the commission.

The suit, which was brought by Mr. Jones on May 23, 1938, sought to recover $1,000,000 damages which he alleged arose out of actions of the commissioners in connection with a stop order proceeding instituted by the commission against a registration statement filed by Mr. Jones covering a proposed issue of oil royalties. The defendants included Joseph P. Kennedy, former chairman, and now ambassador to Great Britain, James M. Landis, who succeeded him as chairman, and is now dean of the Harvard Law School, and Robert E. Healy and George C. Mathews, members of the commission.

E. J. Henry, vice-president and director of the Atlantic Refining Company, Philadelphia, has been named president of the Atlantic Pipe Line Company, a subsidiary.



.....WE'LL SEE YOU AT CONVENTION HEADQUARTERS

ANDERSON-PRICHARD INDUSTRIAL NAPHTHAS

Faced with the prospect of readjustment to war-time conditions, the industry's welfare calls for your personal participation in the Chicago and San Francisco Conventions. As always, at this time of year, we are looking forward to the opportunity of meeting old friends and making new acquaintances. For regardless of serious business at hand, it is "always fair weather when good fellows get together".

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NEW YORK
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Fertilizer Materials

Blood and Tankage Demand Continues Sluggish in All Sections — General Market Tends Toward Lower Prices — Cottonseed Hull Ash Is Only Advance

Prices for raw fertilizer materials continued to seek a more normal level last week with only one advance made against several reductions. The advance was cottonseed hull ash, while blood and tankage prices were lower for the second time in as many weeks. The demand continued to be a bit listless, although the majority of prices were no longer causing concern to consumers. Shipments of material sold on contract earlier in the year were steady and, except for imported products, regular.

Demand in the Midwest turned slow during the period under review and reports from Chicago indicated that prices were unchanged to lower. Tankage was offered in larger quantities, but buyers were holding back. A similar situation existed in the Southeast where buyers were cautious and anticipating lower prices. The market on the Pacific coast eased off slightly. A good fish catch was reported for the week and as a result fish meal was offered at lower quotations.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Cottonseed hull ash, 10c. per unit.

Reduced

Blood, dried, dom., 30c. per unit, f.o.b. N. Y.
high-grade, grd., 25c. per unit, f.o.b. Chi.
imp., 10c. per unit, c.i.f. ports.
Cottonseed meal, 8% grade, 50c. per ton.
Tankage, dom., unground feeding, 25c. per unit, basis N. Y.
25c. per unit, basis Chi.
high-grade feeding, 50c. per unit, basis Chi.
Fish scrap, Cal. sardine meal, $2 per ton, f.o.b. plant.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
66.3	66.3	66.3	66.3

Market news that may have developed after this report was sent to press will be found on page 4.

Nitrogenates

Dried Blood.—Lower prices were in force. Domestic material was sold at $3.70 per unit, f.o.b. New York, which was 30c. per unit lower than the previous figure. High-grade ground material was reduced 25c. per unit to $3.75, f.o.b. Chicago. The imported product was 10c. per unit lower, being offered at $3.60, c.i.f. ports.

Fish Scrap.—No changes of consequence were reported for this product. Fishing was practically over and major suppliers were engaged in making scrap and meal to meet previously-made contracts.

Nitrate of Soda.—The market was routine with shipments and inquiries holding to previous levels.

Nitrogenous Material.—Prices were firm, and demand unchanged from the previous week. Inquiries for future delivery picked up a bit.

Sulphate of Ammonia.—There continued to be a scarcity in certain major producing quarters and in several instances shipments could not be promised until next month. The price was steady.

Tankage.—Unground feeding material was reduced 25c. per unit in both New York and Chicago to $4.25 and 10c. and $3.75 and 10c., respectively. High-grade feeding was lowered 50c. per unit to $4 and 10c. Imported material was steady.

Potashes

Cottonseed hull ash was stronger, and the 32 to 36 percent material was advanced 10c. per unit to $1.10. Other potash products were firm in price and shipped regularly.

Phosphates

Bone Materials.—No new features appeared in the market. Certain supplies were relatively scarce. Prices were firm at the quoted levels.

Phosphate Rock. — The price was steady and shipments into consuming channels were a bit heavier.

Superphosphates.—The market was steady and unchanged.

Sulphur and Pyrites

The demand for sulphur picked up somewhat, but the pyrites market was virtually unchanged. Increased shipments of the latter product were coming in from Canada, although the Spanish material was more available. Prices were firm and unchanged.

Markets at Other Centers

Atlanta, Oct. 10.—The fertilizer market has settled into a more dependable condition, though admittedly still somewhat jittery over war conditions. Trading is reported very light. Though steel production has been stepped up, sulphate of ammonia production is covered with orders up the first of the year. Cottonseed meal has been declining in price in recent days. Prices of other organic ammoniates are considered steadier. Quotations of this market are as follows:—

SUPERPHOSPHATE.—52 cents per unit, interior producing points.

NITRATE OF SODA.—Bulk, port basis, $27 per ton.

COTTONSEED MEAL.—8 percent grade $26 to $26.50 per ton, Southeastern mills.

BLOOD.—$3.75 per unit, basis Chicago; South Am., $3.60.

TANKAGE.—Fertilizer grades $3.75 and 10c., Chicago; S. Am., $4.50 and 10c., ports.

CHICAGO, Oct. 11.—Demand for various grades of material in the general fertilizer materials market has turned slow, and tone of the market now is draggy and backward. Prices are unchanged to lower in most cases. There is an indifferent interest in blood. Tankage is slow. Bone materials are quiet and are receding from recent relatively high prices.

BLOOD—Principal grade, $3.75 per unit of ammonia.

TANKAGE—High grade, feeding, $4 and 10c.; hoof meal, $3.25; liquid stick, $2.50 to $2.75.

BONE MATERIALS—Ground, steamed bone, 1¼ and 60 percent, $26; 3 and 50 percent, $30 to $31; 4½ and 50 percent, $31 to $32; grinding hoofs, pigs, toes and waste horn materials, $40 to $45; cattle jaws, skulls and knuckles, $25 to $27; beef cracklings, soft pressed, $45 to $50; pork cracklings, soft pressed, $55 to $60; hard pressed cracklings, per unit of protein, 95c. to $1.

BALTIMORE, Oct. 11.—The market has taken on somewhat of a hesitant character. The price range has been fairly well sustained. The figures mentioned are as follows:—

FISH SCRAP—The market is still $4.25 and 10c. per unit-ton. Menhaden meal is $58 per ton in car-load lots, f.o.b. basis Baltimore.

TANKAGE—Last figures named are $4.50 and 10c. per unit-ton, for import.

DRIED BLOOD—Trading is quiet, with last sales negotiated at $3.70 per unit-ton.

—*Continued on page 62*

Fertilizer Tag Sales: September

	P.C. of 1938.	September Tons* 1939.	September Tons* 1938.	September Tons* 1937.	P.C. of 1938.	January-September Tons* 1939.	January-September Tons* 1938.	January-September Tons* 1937.
South—								
Virginia†	108	54,263	50,311	47,513	104	383,880	370,272	398,683
North Carolina	126	24,439	19,433	16,350	111	1,133,394	1,022,979	1,140,568
South Carolina	90	6,130	6,781	6,700	102	645,044	633,970	739,146
Georgia	539	5,310	986	845	96	671,512	701,269	846,134
Florida†§	114	41,999	36,741	32,240	100	345,497	345,341	376,277
Alabama	63	1,850	2,950	1,600	105	549,150	524,950	619,260
Mississippi	...	.....	1,200	464	93	277,846	299,836	324,249
Tennessee†	2	112	7,274	8,940	96	116,791	121,251	132,058
Arkansas‡	38	250	650	1,100	103	65,622	63,500	67,575
Louisiana†	157	11,460	7,280	9,626	104	137,188	132,502	143,478
Texas†	38	2,173	5,676	8,525	107	83,182	77,798	83,502
Oklahoma	34	264	775	1,115	85	6,667	7,855	6,740
Totals South	106	148,250	140,057	135,018	103	4,415,783	4,301,523	4,877,670
Midwest—								
Indiana	92	28,450	31,006	36,913	110	256,958	233,615	271,808
Illinois	75	2,550	3,380	3,931	102	39,637	38,792	42,527
Kentucky	104	9,123	8,808	9,150	105	111,229	106,356	108,535
Missouri	67	22,064	32,986	31,900	94	64,081	67,951	76,614
Kansas	52	5,440	10,455	9,063	79	14,066	17,917	14,867
Totals Midwest	78	67,627	86,635	90,957	105	485,971	464,631	514,351
Grand totals	95	215,877	226,692	225,975	103	4,901,754	4,766,154	5,392,021

* Monthly records of fertilizer tax tags are kept by State control officials and may be slightly larger or smaller than the actual sales of fertilizer. The figures indicate the equivalent number of short tons of fertilizer represented by the tax tags purchased and required by law to be attached to each bag of fertilizer sold in the various States.

† Cottonseed meal sold as fertilizer included.

‡ Excludes 40,900 tons of cottonseed meal for January-September combined, but no separation is available for the amount of meal used as fertilizer from that used as feed.

§ Includes 41,560 tons of phosphatic and lime materials for January-September.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

DOMESTIC
SULPHATE OF AMMONIA
AND AMMONIA LIQUOR
THE Barrett COMPANY — 40 RECTOR STREET, NEW YORK

SUNSHINE STATE POTASH
A PRODUCT OF NEW MEXICO U.S.A.
REG. U.S. PAT. OFF.
MURIATE OF POTASH
62/63% K_2O
Also 50% K_2O
MANURE SALTS
Approximately 30% K_2O
UNITED STATES POTASH COMPANY
INCORPORATED
30 ROCKEFELLER PLAZA, NEW YORK, N. Y.

SINCE 2000 B. C. . . .

Sulphur has played a variety of recorded roles in the march of civilization. Four thousand years ago the yellow mineral was used, we are told, as a bleaching agent for cotton and linen. Today it takes part, in one way or another, in nearly every essential industrial process.

Keeping pace with modern-day needs, the Freeport Sulphur Company maintains ample supplies of crude sulphur replenished by steady, daily production from mines at Port Sulphur, La., and Freeport, Tex. Up-to-date shipping facilities insure speedy, satisfactory service to customers.

These hundreds of thousands of tons of Freeport sulphur—better than 99½ per cent pure and free from arsenic, selenium and tellurium—stand ready to play their role in our industrial history and to fill any requirement, whether old or new.

FREEPORT SULPHUR COMPANY
122 East 42nd Street New York

Shipping Information

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Imports at U.S. Ports

New York Imports

ACID, STEARIC—55 bgs, Manufacturers Trust Co, Antwerp
125 bgs, M J Corbett & Co, Rotterdam
ALOE—100 cs, Wessel, Duval & Co, Aruba
ANISE—93 bgs, Vera Cruz
ANNATTO SEED—260 bgs, Guayaquil
ANTIMONY, ORE—1,937 bgs, Arica
1,145 bgs, Antofagasta
REGULUS—80 dms, C Gutlin, Antwerp
ARSENIC, RED, POWD—250 dms, American Cyanamid & Chem Co, Antwerp
BANANA POWD—70 pkgs, Sanib Corp, Porto Cortes
BARYTES—2,000 bgs, Whittaker, Clark & Daniels, Genoa
BISMUTH, REFD—150 bxs, Cerro De Pasco Copper Co, Callao
BLUE, BERLIN—10 bbls, Fezandie & Sperrle, Rotterdam
BONE MEAL—2,217 bgs, Buenos Aires
BRISTLES—9 cs, Yokohama
1 cs, Kobe
CADMIUM METAL—66 cs, Philipp Bros, Antwerp
ROD—242 cs, Industrial Sales Corp, Antwerp
CANTHARIDES—10 cs, J L Hopkins & Co, Hongkong
CASEIN—312 bgs, British American Chemical Supplies, Antwerp
CASSIA, VERA—46 pkgs, H P Winter & Co, Belawan Deli
CHARCOAL, WOOD—625 bgs, Canadian Natl Railway, Rotterdam
CHEMICALS—300 bgs, Industrial Sales Corp, Antwerp
135 cks, H J Baker & Bros, Antwerp
20 cks, 1 cs, 1 dmj, Merck & Co, Rotterdam
132 cks, Advance Solvents & Chem Co, Oslo
900 bbls, F H Taussig, Copenhagen
2 bbls, F Behrend, Copenhagen
1 cs, Phoenix Shipping Co, Rotterdam
93 kegs, Philip Bauer Co, Rotterdam
40 cks, 100 bbls, Industrial Sales Corp, Antwerp
CLOVES—32 bls, Belawan Deli
COALTAR, INTERMEDIATES—9 cks, General Dyestuff Corp, Rotterdam
COBALT, ACETATE—4 tins, D H Burdett, Antwerp
CONCENTRATES—138 pkgs, Coquimbo
METAL — 380 cks, 70 cs, Central Trading Corp, Antwerp
60 cks, Electro Metallurgical Co, Antwerp
OXIDE—100 cks, Central Trading Corp, Antwerp
SULPHATE—90 cks, Central Trading Corp, Antwerp
COCHINEAL—60 bgs, Callao
COCOA BEANS—98 bgs, A A Lindo & Co, Puerto Limon
1 pkg, Fruit Dispatch Co, Puerto Limon
49 bgs, Curacao Trading Co, Trujillo
100 bgs, M Paguet, Trujillo
472 bgs, Porcella, Vicini & Co, Trujillo
1,000 bgs, Kennedy Butcher & Co, Bahia
361 bgs, Lisbon
175 bgs, Guayaquil
100 bgs, Meyer & Co, Puerto Cabello
100 bgs, Puerto Cabello
93 bgs, Cape Haitien
COLORS, ARTIST'S—7 cs, Gallagher & Ascher, Rotterdam
DRY—10 bbls, Fezandie & Sperrle, Rotterdam
EARTH—30 bbls, P R Kohler, Antwerp
COPAIBA BALSAM—20 cs, Cristobal
COPPERAS—117 cks, Chemical Marketing Co, Antwerp
200 bgs, P R Kohler, Antwerp
CORIANDER SEED—130 bgs, J W Elwell & Co, Casablanca
CORK—56 bls, Lisbon
30 bls, Mundet Cork Corp, Lisbon
60 bls, H O Fischer, Seville
BOARD—500 bls, Armstrong Cork Co, Seville
SHAVINGS—1,707 bls, National City Bank, Lisbon
1,186 bls, Lisbon
VIRGIN—379 bls, Mundet Cork Corp, Lisbon
WASTE—426 bls, A Hurst & Co, Lisbon
1,106 bls, Manufacturers Trust Co, Lisbon
665 bgs, Lisbon
1,395 bls, National City Bank, Lisbon
1,643 bls, Wicander & Co, Lisbon
1,660 bls, Mundet Cork Corp, Lisbon
2,105 bls, Mundet Cork Corp, Lisbon
WOOD—4,889 bls, Mundet Cork Corp, Lisbon
182 bls, United Fruit Co, Lisbon
340 bls, Wicander & Co, Lisbon
510 bls, Chase National Bank, Lisbon
1,335 bls, Lisbon
40 bls, Lisbon
50 bls, Armstrong Cork Co, Lisbon
849 bls, Wicander & Co, Seville
272 bls, United Cork Co, Seville
COTTON LINTERS—114 bls, Williamson Prod Co, Buenos Aires
111 bls, Buenos Aires
CUMIN SEED—15 bgs, J W Elwell & Co, Casablanca
DERRIS ROOT—83 cs, W M Allison & Co, Semarang
DYES, ALIZARIN—4 tons, General Dyestuff Corp, Rotterdam
ANILIN—9 cks, General Dyestuff Corp, Rotterdam
ERGOT—20 pkgs, Lisbon
EXTRACT—1 cs, Lo Curto & Funk, Rotterdam
FAT—25 cts, Haug & Co, Oslo
15 bbls, W R Keating, Oslo
FERTILIZER—1,019 bgs, C Hollinshead, Buenos Aires
3,530 bgs, C Hollinshead, Buenos Aires
2,489 bgs, Hannel & Bennet, Antwerp
FILTER PAPER—5 cs, Rotterdam
FISH LIVERS—250 tins, J D Irwin Co, Yokohama
GELATIN, POWDERED—140 bgs, 10 dms, 10 kegs, T M Duche & Sons, Rotterdam
97 pkgs, International Selling Corp, Antwerp
SHEET—84 cks, 172 bls, T M Duche & Sons, Antwerp
GLASS, PLATE—10 cs, Brown Bros, Harrimann Co, Antwerp
SHEET—1 cs, Baltic Trading Co, Copenhagen
200 cs, Petrocelli, Beusse & Rogers, Antwerp
WINDOW—94 cs, Semon, Bache & Co, Antwerp
550 cs, Richter & Ring, Antwerp
100 cs, Banque Belge pour l'Etranger, Antwerp
40 cs, S G Cole, Antwerp
22 cs, Schrenk & Co, Antwerp
10 cs, J Rubin, Antwerp
2,123 cs, Banque Belge pour l'Etranger, Antwerp
200 cs, S G Cole & Co, Antwerp
5,000 cs, Antwerp
GLUE—200 bgs, L H Lang & G Van Gelder, Constanza
GREASE WOOL—150 bbls, Robinson, Wagner Co, Antwerp
GUANO—960 bgs, Buenos Aires
GUM, CHICLE—196 bls, Mexican Exploitation Corp, Vera Cruz
192 bls, Vera Cruz
COPAL — 127 bkts, Stroock & Wittenberg, Sourabaya
158 bkts, Sourabaya
135 bkts, G W S Patterson & Co, Sourabaya
3 bkts, Far East Rep, Sourabaya
800 bgs, National Carloading Corp, Antwerp
100 bgs, Stroock & Wittenberg, Antwerp
100 bgs, Thurston & Braidich, Antwerp
400 bgs, S Winterbourne & Co, Antwerp
940 bgs, O G Innes Corp, Antwerp
600 bgs, Gillespie-Rogers-Pyatt Co, Antwerp
500 bgs, O G Innes Corp, Antwerp
250 bgs, France, Campbell & Darling, Antwerp
200 bgs, G W S Patterson & Co, Antwerp
200 bgs, Thurston & Braidich, Antwerp
100 bgs, S Winterbourne & Co, Antwerp
100 bgs, American Cyanamid & Chem Co, Antwerp
900 bgs, Bank of Manhattan, Antwerp
DAMMAR—200 cs, Belawan Deli
HERBS, MEDICINAL—53 bgs, 19 bls, S B Penick & Co, Antwerp
195 bls, 76 cs, Royal Bank of Canada, Antwerp
HOPS—60 bls, T Bing Co, Antwerp
INK, PRINTING—14 dms, 21 cs, Premier Shipping Co, Rotterdam
IRISH MOSS—150 cts, Copex & Co, Oslo
MACE—16 cs, B H Old & Co, Macassar
100 cs, National City Bank, Macassar
MAGNESITE, CALC—80 bgs, Speiden Whitfield & Co, Rotterdam
MEDICINAL PREPS—45 cs, Ratin Lab, Copenhagen
MUSTARD SEED—682 bgs, B H Old & Co, Copenhagen
1,500 bgs, American Bluefriesveen, Copenhagen
150 bgs, Levy & Levis Co, Copenhagen
150 bgs, Thompson & Taylor, Copenhagen
200 bgs, National City Bank, Constanza
NAPHTHALENE—800 bgs, D C Andrews & Co, Rotterdam
OIL, BERGAMOT—73 hlf cs, 400 cs, Dodge & Olcott Co, Messina
60 qtr cs, Irving Trust Co, Messina
25 qtr cs, W J Bush & Co, Messina
6 hlf cs, Bank of Montreal, Messina
20 hlf cs, Bankers Trust Co, Messina
102 cs, Continental Bank & Trust Co, Messina
40 cs, Manufacturers Trust Co, Messina
100 cs, Norda Essential Oil & Chem Co, Messina
100 qtr cs, 40 cs, Lo Curto & Funk, Messina
CITRONELLA—4 dms, Batavia
4 dms, Sourabaya
COD—55 dms, Arkansas Co, Oslo
200 dms, Chase National Bank, Oslo
CODLIVER—300 dms, Chase National Bank, Bergen
700 bbls, 350 dms, 30 cs, C L Huisking & Co, Bergen
35 bbls, Denver Parm Co, Bergen
120 dms, Gunning & Gunning, Bergen
190 bbls, Abbott Lab, Bergen
500 bbls, 200 dms, Kachurin Drug Co, Bergen
500 dms, International Vitamin Co, Bergen
500 dms, 100 bbls, E F Drew & Co, Bergen
400 bbls, Bergen
54 dms, Taesy & Besthoff, Copenhagen
100 bbls, Brewer & Co, Bergen
53 bbls, Atlantic Chem Co, Bergen
75 bbls, Exceller Chem Co, Bergen
200 cks, Ottol Oil Co, Bergen
200 bbls, H H Rosenthal Co, Bergen
55 bbls, Ormont Drug & Chem Co, Bergen
ESSENTIAL—2 dms, 18 cs, Vera Cruz
2 dms, 15 cs, Rotterdam
FISH—15 dms, Havana
FISH LIVER—16 dms, Vitamerican Co, Yokohama
LEMON—100 hlf cs, Dodge & Olcott Co, Messina
100 cs, Geo Luecders & Co, Messina
309 cs, Ungerer & Co, Messina
100 cs, Fritzsche Bros, Messina
25 qtr cs, 40 cs, W J Bush & Co, Messina
20 hlf cs, Bank of Montreal, Messina
30 hlf cs, Bankers Trust Co, Messina
20 qtr cs, Lo Curto & Funk, Messina
LUBRICATING—65 dms, Parsons Import & Plymouth Organic Lab, Antwerp
130 dms, Kuhne-Libby Corp, Antwerp
100 bbls, 74 dms, Royal Bank of Canada, Antwerp
1 dm, Kellogg & Co, Constanza
200 dms, Antwerp
MANDARIN—1 cs, Bank of Montreal, Messina
OLIVE—333 pkgs, 56 cs, Lisbon
185 dms, J W Elwell & Co, Lisbon
155 dms, Lisbon
325 dms, Commercial Bank of Greece, Piraeus
110 dms, Leghorn Trading Co, Piraeus
3,538 cs, Leghorn
100 dms, Smith Wehman Co, Genoa
50 dms, Genoa
100 cs, Lisbon
35 dms, J B de Macedo, Lisbon
5 dms, Tagus Wholesale Grocery Co, Lisbon
24 cs, Lisbon
OLIVE, SULPHUR—100 dms, French American Banking Corp, Lisbon
ORANGE—50 half cs, 4 qtr cs, Dodge & Olcott Co, Messina
100 cs, Geo Luecders & Co, Messina
3 qtr cs, National City Bank, Messina
5 cs, Lo Curto & Funk, Messina
PAPRIKA—50 bgs, H Schoenfeld & Sons, Antwerp
5 cs, Central Hanover Bank Trust Co, Antwerp
25 bgs, Schenker & Co, Antwerp
25 bgs, Antwerp
PARAFFIN—3,388 bgs, Standard Oil Co of N J, Batavia
PEATMOSS—1,300 bls, Halfmoon Mfg & Trading Co, Rotterdam
800 bls, Halfmoon Mfg & Trading Co, Rotterdam
428 bls, Premier Peatmoss Corp, Rotterdam
PEPPER, BLACK—2,250 bgs, Oosthaven
WHITE—507 bgs, Koba
758 bgs, Penang
172 bgs, Belawan Deli
POPPYSEED—195 bgs, Avery F Payne Co, Rotterdam
POTASH, CHLORATE — 100 dms, Charles Hardy, Antwerp
180 bbls, National City Bank, Antwerp
PYRETHRUM FLOWERS—75 bls, R J Prentiss & Co, Yokohama
QUEBRACHO EXTRACT — 1,073 bgs, Tannin Corp, Buenos Aires
QUICKSILVER—50 flks, Chase National Bank, Vera Cruz
43 flks, Pan American Trust Co, Vera Cruz
50 flks, Vera Cruz
RADIUM—1 cs, Radium Chem Works, Antwerp
RAPESEED — 250 bgs, National City Bank, Constanza
RICE FLOUR—200 bgs, A M Schmid & Co, Rotterdam
ROOT, MEDICINAL—60 bls, National City Bank, Antwerp
SAGO FLOUR—352 bgs, Penang
SAWDUST—800 bgs, State Chem Co, Rotterdam
SEED, MEDICINAL—30 bls, 266 pkgs, National City Bank, Antwerp
SESAME SEED—38 bgs, Pto Barrios
SIENNA—228 bgs, J Lee Smith & Co, Leghorn
66 cks, C K Williams & Co, Leghorn
470 bgs, 29 bbls, Reichard-Coulston, Leghorn
SILICON CARBIDE—575 bgs, D C Andrews & Co, Oslo
SILVER SULPHIDES—116 pkgs, Antofagasta
SODA, CHLORATE—1 ck, Merck & Co, Rotterdam
PRUSSIATE—20 cks, National City Bank, Antwerp
SILICOFLUORIDE—1,190 bbls, Copenhagen
URANATE ORANGE—20 cks, Central Trading Corp, Antwerp
URANATE YELLOW—40 dms, Central Trading Corp, Antwerp
SPONGES—6 bls, N Y & Cuba Mail S S Co, Havana
5 bls, Schroeder & Tremayne, Havana
15 bls, Havana
REFUSE—2 bls, N Y & Cuba Mail S S Co, Havana
25 bls, Havana
SQUILL, LIQUID, RED—6 cs, Ratin Lab, Copenhagen
STARCH, CHEM TREATED—40 bgs, Keller Drian Paper Co, Rotterdam
RICE—280 bbls, 50 cs, Stein, Hall & Co, Antwerp
50 bbls, Stein, Hall & Co, Antwerp
50 bbls, H A Gogarty, Antwerp
SUMAC—1,400 bgs, Palermo
TALC—500 bgs, Kobe
500 bgs, Genoa
TANKAGE—907 bgs, Montevideo
900 bgs, Swift & Co, Buenos Aires
1,698 bgs, Swift & Co, Rosario
500 bgs, Buenos Aires
1,500 bgs, Santos
1,737 cakes, 24 bgs, H J Baker & Bros, Buenos Aires
2,071 bgs, Van Iderstine Co, Buenos Aires
548 bgs, Buenos Aires
TAPIOCA FLOUR—2,296 bgs, Stein, Hall & Co, Sourabaya
1,500 bgs, Chase Natl Bank, Cheribon
1,250 bgs, Cheribon
TARTAR—324 bgs, Charles Pfizer & Co, Lisbon
131 bgs, Charles Pfizer & Co, Lisbon
TOLU BALSAM—25 cs, Barranquilla
TUNGSTEN ORE—50 bgs, Callao
URANIUM MINERAL RESIDUE — 184 cks, Central Trading Corp, Antwerp
187 cks, Central Trading Corp, Antwerp
OXIDE—50 dms, Central Trading Corp, Antwerp
50 dms, Central Trading Corp, Antwerp
URANYL CARBONATE—10 cks, Central Trading Corp, Antwerp
VANADIUM—3,774 bgs, Vanadium Corp, Callao
VANILLA BEANS—11 cs, Batavia
1 cs, Vera Cruz
WAX, BEES—4 pkgs, Bingham & Co, Puerto Barrios
15 bgs, Lopez Serrano, Havana
37 bgs, Havana
60 bgs, Carr Bros, Trujillo
24 bgs, Lenape Trading Co, Trujillo
132 bls, Lisbon
20 bgs, B K Kuenen, Antwerp
CARNAUBA—43 bgs, Smith & Nichols, Bahia
11 bgs, W M Allison & Co, Bahia
VEGETABLE—50 bgs, Wessel, Duval & Co, Cristobal
50 cs, Kobe
WOLFRAM ORE—868 bgs, Mollendo
WOODFLOUR—2,250 bgs, B L Soberski, Oslo
600 bgs, Burnett Co, Oslo
ZINC, CHLORIDE—20 dms, Industrial Sales Corp, Antwerp
OXIDE—900 bbls, Innis, Speiden & Co, Antwerp
400 bgs, 25 bbls, Philipp Bros, Antwerp
ZINC-AMMONIA CHLORIDE — 69 cks, Th Goldschmidt Corp, Rotterdam

Baltimore Imports

IRON ORE—7,431 tons, Leo J Buck, Inc, Narvik
21,500 tons, Bethlehem Steel Co, Cruz Grande
OIL, CRUDE—97,000 bbls, Standard Oil Co of Las Piedros
FUEL—92,000 bbls, Standard Oil Co of N J, Aruba

Boston Imports

BONEMEAL—400 bgs, Argentina
CALCIUM NITRATE—4,119,956 lbs, Norway
CHEMICALS—200 dmjs, Netherlands
1,305 bgs and 230 sks, Belgium
COCOA BEANS—17,000 bgs, Brazil
COCONUT, DESIC—175 cs, Philippine Islands
CODLIVER MEAL—1,100 half bgs, Norway
GLASS, WINDOW—3,230 cs, Belgium
GLUE, FISH—32 bbls, Nova Scotia
GLUESTOCK, FISH—10 bxs and 3 bbls, Nova Scotia
GUM, ARABIC—42 bgs, England
OIL, CODLIVER—350 bbls and 105 dms, Norway
FISH—96 bbls, Nova Scotia
OSSEIN—7,208 bgs, Belgium
QUEBRACHO EXT—9,028 bgs, Argentina
SOAP—92 cs, England
TANKAGE—1,012 bgs, Argentina

Galveston Imports

MUSTARD SEED—12 bgs, Antwerp
PEATMOSS—330 bls, Antwerp
TALC—500 bgs, Antwerp

Houston Imports

OIL, CODLIVER—10 dms, Oslo

Los Angeles Imports

ACID, ARSENIOUS — 1,720 cs, 192,640 lbs, Kobe
AGAR AGAR—90 lbs, Yokohama
BALSAM—600 lbs, San Salvador
CALCIUM ARSENATE — 1,500 pkgs, 150,000 lbs, Osaka
CAMPHOR, REFD—1,000 lbs, Osaka
CASSIA ROLLS—50 bls, 6,670 lbs, Hongkong
CASTOR BEANS—1,401 sx, 143,130 lbs, Managua
CELERY SEED—2,320 lbs, Marseilles
CINNAMON QUILLS—400 bls, 40,000 lbs, Colombo
COCONUTS—100 sx, 14,000 lbs, Colon
DESIC—505 cs, 79,990 lbs, Manila
CORIANDER SEED—140 bgs, 15,430 lbs, Casablanca
CUTTLEFISH—350 lbs, Yokohama
DRUGS, CRUDE—880 lbs, Hongkong
FERTILIZER—250 bgs, 51,190 lbs, Shanghai
GINGER—1,300 lbs, Hongkong
PREPARED—160 lbs, Hongkong
480 lbs, Hongkong
1,770 lbs, Kingston
GYPSUM—3,799,040 lbs, Santa Rosalia
INKS—60 lbs, Hongkong
60 lbs, Hongkong
INSECTICIDE—50 lbs, Japan
MEDICINAL PREPS—50 lbs, Hongkong
OIL, CODLIVER—150 dms, 33,750 lbs, Hull
CHINAWOOD—25 dms, 10,500 lbs, Hongkong
231 dms, Hongkong
OLIVE—100 cs, 11,660 lbs, Genoa
PEANUT—5,760 lbs, Hongkong
100 lbs, Hongkong
PARAFFIN—1,520 bgs, 212,800 lbs, Sourabaya
PEPPER, BLACK—150 sx, 22,110 lbs, Dutch East Indies
150 sx, 22,500 lbs, Batavia
PIMENTO—8,820 lbs, Kingston
SESAME SEED—730 lbs, Yokohama
1,600 lbs, Hongkong
SOAP, PERFUMED—500 lbs, Paris
TOILET—560 lbs, Paris
STARCH—490 lbs, Yokohama
POTATO—200 lbs, Yokohama
TAPIOCA FLOUR—280 bgs, 56,000 lbs, Dutch East Indies
8,750 lbs, Hongkong
TOILET PREPS—50 lbs, Hongkong
TUNGSTEN, POWD—4,480 lbs, Liverpool
UMBER, GRD—135 cks, 46,110 lbs, Sheffield

Mobile Imports

BAUXITE—6,997 tons, Paramaribo
MANGANESE ORE—5,000 tons, Santiago

New Orleans Imports

CASSIA—60 bls, Cristobal
COCONUTS—50 sx, J Meyer, Kingston
500 sx, Bragman's Bluff Lbr Co, Ceiba
600 sx, Fruit Dispatch Co, Tel
GUM, CHICLE—84 bl, Belize

Philadelphia Imports

BONE MEAL—1,000 bgs, Buenos Aires
CANARY SEED—250 bgs, Philadelphia National Bank, Casablanca
500 bgs, Casablanca
CHARCOAL—2 cs, E H Bailey & Co, Havre
CLAY, PIPE—7 cs, Laing, Harrar & Chamberlain, Liverpool
COCOA BEANS—1,704 bgs, W & A Leaman, Liverpool
2,000 bgs, Meischlag & Co, Ilheos
1,000 bgs, General Cocoa Co, Ilheos
1,000 bgs, General Cocoa Co, Bahia
4,000 bgs, Wessels-Kulenkampff Co, Bahia
880 bgs, Balfour, Guthrie & Co, Ltd, Winnebah
113 bgs, Banque Canadienne Nationale, Takoradi
800 bgs, Balfour, Guthrie & Co, Ltd, Takoradi
4,640 bgs, Balfour, Guthrie & Co, Accra
1,862 bgs, Banque Canadienne Nationale, Accra
6,441 bgs, Balfour, Guthrie & Co, Ltd, Apapa
1,680 bgs, Balfour, Guthrie & Co, Ltd, Cape Coast
CORIANDER SEED—100 bgs, Jos Weinstein & Co, Casablanca
CUMIN SEED—80 bgs, Larance
FERTILIZER—1,019 bgs, Buenos Aires
FLAXSEED—3,500 tons, 1,013 bgs, Rosario
FLOTATION AGENT—220 dms, F L Smidth & Co, Copenhagen
FULLER'S EARTH—300 bgs, L A Salomon & Bros, London
GLASS, SHEET—4 bxs, Arthur H Thomas Co, London
GUM, COPAL—126 baskets, Philadelphia National Bank, Macassar
KELP MEAL—250 bgs, Wessel, Duval & Co, Bergen
MACE—15 cs, Catz American Co, Macassar
40 cs, Macassar
MAGNESITE, CAL—330 bgs, Thessaloniki
NUTMEGS—50 cs, Macassar
21 bgs, Catz American Co, Macassar
84 bgs, Macassar
OIL, CODLIVER—170 dms, Bergen
30 dms, United Drug Co, Bergen
200 dms, The Fox Co, Bergen
105 dms, W O Fehling, Bergen
50 dms, J Rubinoff & Co, Bergen
10 bbls, 50 dms, Philadelphia Magnesia Co, Bergen
50 bbls, Sun Ray Drug Co, Bergen
400 dms, Drueding Bros Co, Bergen
185 dms, Sea Board Supply Co, Bergen
25 dms, United Feed Co, Bergen
250 cs, Whitmoyer Lab, Inc, Bergen
10 dms, Morton Drug Co, Bergen
PALM—770 tons, Van Leuwan Boomkamp Co, Belawan Deli
OXIDE, RED—114 pls, F B Vandegrift & Co, Malaga
PEPPER—50 bgs, F B Vandegrift & Co, Liverpool
25 bgs, Liverpool
50 bgs, London
PETROLEUM, CRUDE—108,500 bbls, Gulf Oil Corp, Las Piedras
SALT—1,925 bgs, Pioneer Salt Co, Liverpool
SUMAC, GRD—700 bgs, Palermo
TANKAGE—2,032 bgs, Montevideo
1,698 bgs, Rosario
TAPIOCA FLAKE SIFTINGS—715 bgs, National City Bank, Sourabaya
FLOUR — 500 bgs, Philadelphia National Bank, Cheribon
362 bgs, Tjilatjap
509 bgs, New York Trust Co, Cheribon
THYME LEAVES—700 baskets, Messina
WAX, CARNAUBA—45 bgs, Philadelphia National Bank, Ceara
CRUDE—67 bgs, Lenape Transport Co, London
WITHERITE, LUMPS—50 tons, Hull
SMALLS—200 tons, Hull

CHEMICALS
QUICKSILVER
SPICES

MENTHOL - PYRETHRUM - SEEDS

CAMPHOR - GLYCERIN - AGAR

GEORGE UHE CO.

BROKERS - AGENTS
EXCLUSIVELY

Established 1920

75 EIGHTH AVENUE
NEW YORK

CABLE ADDRESS
PEPPERMINT — N. Y.

Exports from U.S. Ports

Baltimore Exports

ALCOHOL, BUTYL—1,440 lbs, Hongkong
ISOBUTYL—22,046 lbs, Japan
BUTYL ACETATE—3,600 lbs, Hongkong
ETHYL ACETATE—2,600 lbs, Hongkong
INSECTICIDE—2,000 lbs, Manila
LEAD ARSENATE—10,000 lbs, Manila
POLISH, METAL—1,296 lbs, Manila
SODA, ASH—56,000 lbs, Manila
CAUSTIC—249,900 lbs, Manila; 184,800 lbs, Cebu
SUPERPHOSPHATE—25 tons, Singapore; 25 tons, Port Swettenham

Corpus Christi Exports

OIL, FUEL—27,629 bbls, Copenhagen
GAS—34,224 bbls, Curacao
PETROLEUM, CRUDE—99,943 bbls, Port de Bouc; 48,140 bbls, Donges; 85,457 bbls, Montreal; 21,828 bbls, Copenhagen; 125,047 bbls, Havre

Galveston Exports

BLACK, CARBON—160 cs, 800 bgs, Havre; 50 tons, Antwerp; 50 cs, Liverpool
SULPHUR—3,860 tons, Manchester; 1,000 tons, Liverpool; 26 tons, Cristobal; 200 tons, Santos

Houston Exports

ASPHALT—10 dms, Oslo
BLACK, CARBON—200 cs, 4,117 bgs, Havre; 100 cs, Rotterdam; 30 cs, Venice/Trieste; 113 cs, Oslo; 1,100 bgs, 1,025 cs, Liverpool; 6,900 bgs, 543 cs, Liverpool/Manchester; 500 cs, Genoa
COTTONSEED MEAL—300 tons, Rotterdam
GASOLINE—11,000 tons, Oslo; 11,450 tons, Gothenburg/Norrkoping/Stockholm
LUBRICANTS—1,666 pkgs, Oslo
OIL—200 tons, Ciudad Trujillo; 500 tons, Vado
FUEL—68,859 bbls, Malaga/Barcelona; 9,000 tons, Guayaquil
LUBRICATING—775 tons, Fiume
PETROLEUM, CRUDE—3,000 tons, Trieste

Los Angeles Exports

ACETONE—50 dms, 17,900 lbs, Buenos Aires
ACID, BORIC—300 bgs, 33,070 lbs, Shanghai; 500 bgs, 56,000 lbs, Manchester; 500 bgs, 56,000 lbs, Gothenburg; 40 bgs, 4,410 lbs, Manila; 198 pkgs, 22,660 lbs, Vancouver; 4,250 pkgs, 504,000 lbs, London; 40 bgs, 4,000 lbs, Guayaquil; 116 pkgs, 11,600 lbs, Barranquilla; 95 pkgs, 9,500 lbs, Cartagena; 1,400 bgs, 156,800 lbs, Liverpool; 450 sks, 45,000 lbs, Havana
CRESYLIC—1,509 dms, 706,810 lbs, San Antonio
ALCOHOL, DIACETONE—5 dms, 2,030 lbs, London; 51 dms, 21,880 lbs, Havre; 55 dms, 22,340 lbs, London
ASPHALT—12 bbls, 5,720 lbs, London; 12,700 dms, 6,206,120 lbs, Adelaide
LIQUID—24 dms, 10,060 lbs, Buenos Aires
BLACK, CARBON—3,000 lbs, Hongkong
BORATE — 14,235 bgs, London; 10,347 bgs, 1,677,130 lbs, Dunkirk; 2,180 sks, 345,960 lbs, Osaka; 4,880 bgs, 863,060 lbs, Yokahama-Osaka
BORAX—1,000 bgs, 110,230 lbs, Shanghai; 224 cs, 22,400 lbs, Beira; 1,200 cs, 120,000 lbs, Lourenco Marques; 2,880 bgs, 336,000 lbs, Manchester; 2,000 bgs, 224,000 lbs, Gothenburg; 97 pkgs, 11,260 lbs, Vancouver; 800 sks, 88,200 lbs, Shanghai; 17,720 bgs, 2,065,280 lbs, London; 4,800 bgs, 560,000 lbs, Havre; 400 bgs, 44,800 lbs, Hongkong; 60 bgs, 6,620 lbs, Valparaiso; 22 bgs, 2,200 lbs, Barranquilla; 3,840 bgs, 448,000 lbs, Liverpool; 1,090 bgs, 109,000 lbs, Havana
CATTLE HOOFS—367 bgs, 20,750 lbs, Osaka
BLUE VITRIOL — 2,200 lbs, Buenaventura; 2,200 lbs, Barranquilla; 1,000 lbs, Cartagena
CALCIUM CHLORIDE—2,400 lbs, Callao
CARBON—672 bgs, 67,200 lbs, London
ACTIVATED—180 cs, 9,000 lbs, Adelaide
CLAY—500 sks, 33,600 lbs, Barranquilla
CHALK—10 bbls, 1,330 lbs, Manila
CLAY, FILTER—80 sks, 4,000 lbs, Vancouver; 6,000 sks, 297,920 lbs, Havre; 4,000 sks, 199,360 lbs, Dunkirk; 2,200 sks, 109,760 lbs, Norrkoping
CLEANER—5,880 lbs, Hongkong; 355 cs, 19,880 lbs, Cristobal; 950 lbs, Capetown; 3,920 lbs, Manila; 470 lbs, Stockholm
COLOR, CEMENT—75 palls, 4,880 lbs, Cristobal
COPPER ACETOARSENITE — 20 dms, 2,200 lbs, Buenaventura
DIATOMACEOUS EARTH — 448 bgs, 48,340 lbs, London; 70 bgs, 7,000 lbs, Manila; 400 bgs, 40,000 lbs, Pimental; 200 bgs, 20,000 lbs, Havana; 260 bgs, 26,000 lbs, Manila; 112 bgs, 11,200 lbs, Durban; 300 bgs, 30,000 lbs, Manila; 3,804 bgs, 380,400 lbs, Buenos Aires; 1,148 bgs, 108,540 lbs, London; 2,000 ctns, 100,000 lbs, Stockholm; 1,701 bgs, 169,100 lbs, Stockholm; 1,517 bgs, 150,030 lbs, Winterthur, Switzerland
ETHYL KETONE—32 dms, 11,130 lbs, London; 31 dms, 11,350 lbs, Adelaide; 644 dms, 224,040 lbs, London
FERROMANGANESE—110 bbls, 111,700 lbs, Manila
FILM SCRAP—41 cs, 11,950 lbs, London
GASOLINE—76,488 lbs, Sydney
INSECTICIDE, LIQ—900 lbs, Manila; 70 lbs, Manila
KELP MEAL—300 bgs, 33,600 lbs, Vancouver
KEROSENE — 3,271 bbls, Sydney; 1,000 cs, Porto Armuelles; 100 dms, San Jose
DISTILLATE—88,195 bbls, Cymbula, Curacao
LACQUER—3,640 lbs, San Juan; 132 cs, 10,300 lbs, Durban; 3,740 lbs, Manila
THINNER—8,000 lbs, San Juan
LEAD, WHITE IN OIL—860 lbs, Vancouver
LIME—180 bgs, 9,000 lbs, Buenos Aires
MAGNESIA SILICATE—110 bgs, 11,000 lbs, Barranquilla
MEDICINAL PREPS—100 lbs, Manila; 150 lbs, Kobe
METHYL CHLORIDE—8 cyls, 600 lbs, Vancouver
METHYL ETHYL CARBINOL—60 dms, 22,140 lbs, Havre; 674 dms, 246,680 lbs, Avonmouth-Liverpool; 47 dms, 17,200 lbs, Yokohama; 69 dms, 25,250 lbs, Osaka
MINERAL SPIRITS—300 dms, Sydney
MOLYBDENITE CONC—84 dms, 58,800 lbs, Liverpool
OIL, COCONUT, CRUDE—500 dms, 200,000 lbs, Gothenburg
DIESEL—61,136 bbls, Tsurumi; 53,575 bbls, Osaka/Hikoshima; 1,486 bbls, Manila; 14,607 bbls, Hongkong; 23,589 bbls, Yokohama; 1,496 bbls, Porto Armuelles
EMULSIFIED—19,800 lbs, Callao
FUEL—49,614 bbls, Manila/Cebu; 27,180 bbls, Hongkong; 39,405 bbls, Manila; 66,049 bbls, Yokohama; 40,457 bbls, Sasebo; 111,230 bbls, Osaka; 30,001 bbls, Antofagasta; 58,130 bbls, Tocopilla; 27,070 bbls, Vancouver
GAS—88,504 bbls, Curacao
LEMON, DIST—1,160 lbs, Naarden
LINSEED—9,000 lbs, Manila
LUBRICATING—1 dm, Curacao; 50 dms, San Juan; 455 dms, Manila; 566 dms, Haiphong
ORANGE—520 lbs, Norrkoping; 70 lbs, London
TRANSFORMER—1 bx, 20 lbs, Barranquilla
PAINT—540 lbs, Durban; 9,600 lbs, Manila
PECTIN, CITROUS—100 lbs, La Guaira
PETROLEUM, CRUDE—54,382 bbls, Vancouver
POTASH IODIDE—1,200 lbs, Shanghai
PUTTY, GLAZING—80 lbs, Manila
RED, OXIDE—5,250 lbs, Buenaventura
SOAP—1,000 ctns, 50,000 lbs, San Juan
FLAKES—230 lbs, London
PWD—600 lbs, Vancouver; 380 lbs, Cristobal
SODA ARSENITE—500 lbs, Cartagena
ASH—1,850 bgs, 200,000 lbs, Vancouver; 394 pkgs, 240,000 lbs, Manila; 10 bgs, 2,000 lbs, Cartagena; 500 bgs, 100,000 lbs, Manila; 100 bgs, 20,000 lbs, Hongkong; 4,410 bgs, 661,500 lbs, Buenos Aires
BICARBONATE—120 bgs, 12,000 lbs, Cartagena
CAUSTIC—7,650 lbs, Manila
SILICATE—230 dms, 149,500 lbs, Cartagena
STEARIN, VEG—1,000 bgs, 100,000 lbs, Manila
SULPHUR—140 bgs, 14,000 lbs, Guayaquil; 720 bgs, 108,000 lbs, Buenaventura; 110 bgs, 11,000 lbs, Barranquilla
DIOXIDE—20 cyls, 3,000 lbs, Vancouver
TALC—300 bgs, 33,600 lbs, Manila
TERPENE, ORANGE OIL—4,620 lbs, Geneva
TOILET PREPS—1,100 lbs, Cairo; 2,450 lbs, San Juan; 1,610 lbs, Aguadilla; 110 lbs, San Juan; 90 lbs, Ponce; 970 lbs, Aguadilla; 60 lbs, Santurce; 1,350 lbs, Hongkong; 910 lbs, Bangkok; 400 lbs, Barranquilla; 1,710 lbs, Bogota; 3,880 lbs, Caracas; 1,000 lbs, Curacao; 370 lbs, Havana; 430 lbs, Panama City; 370 lbs, Colon; 1,500 lbs, Havana
VARNISH—90 lbs, Vancouver; 3,240 lbs, Manila
WAX, POLISH—30 lbs, Manila
ZIRCONIUM OXIDE—2,500 lbs, London

Mobile Exports

ROSIN—170 dms, 80 bbls, Ciudad Trujillo; 20 dms, Puerto Plata; 62 dms, Puerto Cabello; 8 dms, La Guaira

Tampa Exports

GASOLINE—1 dm, Belize
PAINT, COPPER—1 cs, Cozumel
WHITE, ZINC—6 kegs, Cozumel

Coastwise Shipments

Corpus Christi Coast Trade

GASOLINE—80,147 bbls, St Rose; 73,131 bbls, New York; 143,540 bbls, Baytown
KEROSENE—39,205 bbls, Baytown
OIL, FUEL—10,498 bbls, Houston; 68,556 bbls, Baytown
PETROLEUM, CRUDE — 54,379 bbls, Port Neches; 69,977 bbls, New York; 99,933 bbls, Texas City; 451,782 bbls, Baytown

Los Angeles Coast Trade

GASOLINE—2,193 bbls, San Diego; 67,333 bbls, Seattle; 75,000 bbls, Portland; 51,909 bbls, San Francisco; 28,763 bbls, San Francisco; 44,800 bbls, Seattle; 8,000 bbls, Seattle; 9,962 bbls, San Diego; 73,582 bbls, Seattle
KEROSENE—5,800 bbls, Seattle
DISTILLATE—2,635 bbls, Seattle
OIL, DIESEL — 75,000 bbls, Martinez; 1,497 bbls, San Diego; 8,297 bbls, Richmond; 10,795 bbls, Seattle; 1,797 bbls, Seattle; 17,214 bbls, San Diego; 17,751 bbls, Seattle
FUEL—66,000 bbls, Bayonne; 40,138 bbls, San Diego; 47,947 bbls, Portland; 10,000 bbls, Seattle; 54,334 bbls, Richmond; 55,388 bbls, Willbridge; 66,592 bbls, Avon; 52,126 bbls, San Diego; 91,000 bbls, San Diego; 2,361 bbls, Portland; 3,000 bbls, Eureka; 65,067 bbls, Davenport; 19,831 bbls, Seattle
FURNACE—6,571 bbls, Seattle; 6,804 bbls, Richmond
FLUSHING—2,480 bbls, Davenport

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Imports Detained

Detentions recently effected at various ports by United States authorities on determinations by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Week Ending October 11

Almond bitter, 20 bags; restricted use.
Anise seed, 123 bags; filthy.
Cassia oil, 25 drums; not U.S.P.
Cocoa beans, 500 bags; moldy.
Gelatin, 10 bags; restricted use.
Hair preparation, 275 packages; false and misleading statements.
Medicinal preparations, 2 cases; new drugs; dangerous drugs.
Sesame seed, 38 bags; filthy.

Baltimore

Week Ending October 11

Sesame seed, 380 bags; insect infested.

Boston

Week Ending October 11

Medicinal preparations, 1 package; false therapeutic claims.

Buffalo

Week Ending October 11

Medicinal preparations, 2 packages; false therapeutic claims; 1 package, false therapeutic claims; acetanilid derivative not declared.

Tariff Pact Extensions Opposed by M.C.A.

—*Continued from page* 3

For these reasons, it is respectfully requested that the negotiation of a trade agreement with Belgium be suspended or at least postponed until the European war has terminated.

Chemical Supplies Adequate

Discussing certain chemical materials—commercial and iron-free sulphate of alumina, chloride and nitrate of ammonia, anhydrous and crystal phosphate of soda, fused and crystal sulphide of soda, fused and granular chloride of zinc, and hexamethylenetetramine—the M.C.A. brief said:—

It is, or should be, a cause for gratification that no shortage exists in the United States on any of these important chemicals. To the contrary, there are troublesome surpluses on some, as for instance, sodium sulphide, because of production as a by-product in other operations. None of the products under discussion is new or in any sense in an experimental stage of manufacture. All but one are tonnage chemicals on which competition is keen, prices are low, and profit margins extremely narrow or actually nonexistent. There is no lack of efficiency in production. The demands of competition have required a constant reaching for ever-greater efficiency, else the producer failing to keep step in this respect would fail also to continue as a producer.

To the best of our knowledge the lower foreign prices do not reflect any natural advantages, such as greater availability of material, better quality of raw material, or any superior technical ability.

The only significant differences of which we know are the differences in hours worked and in remuneration paid. These pyramid through every step from raw material to finished product and are also reflected in the costs of plant construction as well as in transportation. These differences we cannot overcome unless by sacrificing our established wage levels, which no American manufacturer wants to do.

On these low-priced tonnage chemicals foreign competition takes on some of the aspects of dumping without apparently being technical dumping. The imported material is not sold on the basis of a higher quality but rather on the basis of a lower price. When this takes place in the presence of surpluses the market is demoralized and even small profits disappear.

It is, we believe, well known that the manufacture of bulk heavy chemicals involves the best-known mass production methods if low prices are to be possible and as every operating man knows, costs increase rapidly when volume of production decreases.

Mention should also be made of one other point. It is known that Belgium, in addition to her own manufacturing, is an outlet channel for materials of neighboring nations.

It is proper to point out the vast difference existing today as compared with the similar period at the outbreak of the last war. Then we had little in the way of a chemical industry and paralysis was threatened in many diverse industries dependent on chemical supplies. Through constant research and development the American chemical industry is today in a position of leadership. This is cause for justifiable pride but it also points the need for eternal vigilance if we are to maintain that position.

A recent survey by the National Industrial Conference Board shows an expenditure by the chemical industry for research in 1938 equal to 3.3 percent of the sales.

Palm Oil Tax Argued

Contrary views were expressed to the committee regarding palm oil, which it is proposed to bind against any increase in the present excise tax of 3 cents per pound, by F. B. Wise, secretary of the Domestic Oils and Fats Conference, and by John B. Gordon, secretary of the Bureau of Raw Materials.

Mr. Wise declared that it is the Netherlands, rather than Belgium, which is the chief supplier of palm oil and that any action regarding the palm oil tax should be taken in connection with the Netherlands trade agreement, and he pointed out that, during the last session of Congress when it was proposed to increase the present tax on palm oil, the Department of State opposed the increase on the ground that it would violate the existing Netherlands agreement binding the oil against a higher tax. He pointed out that under its terms the Netherlands agreement could be terminated on six months' notice; but that, if the binding were repeated in the Belgium agreement, it would tie the hands of Congress. He declared that continued preferential treatment of palm oil permits this product to displace domestic fats and oils in both edible and inedible fields and he declared that, with sufficient tariff protection, the domestic fats industry will soon be able to supply all consumption needs with the exception of limited quantities of a few special-purpose oils.

Mr. Gordon urged that the palm oil tax be retained at its present rate if not reduced, since importation of palm oil from Belgium and its colonies gives Belgium a dollar exchange which permits it to purchase important quantities of American products. He pointed out that imposition of the palm oil tax reduced the world price of palm oil which in turn had a serious effect on export markets for American lard and other edible oils and fats, and he introduced statistics to show that palm oil does not compete with domestic oils and fats in such a way as to injure the price structure of these domestic materials.

Foreign Trade Openings

Correspondence in regard to any of the following trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, D. C., or to any district office or cooperative office of the bureau, and not to this publication. When writing give the number of the item:—

Acid, acetic:—Caracas, Venezuela; agency (3946).
Acid, acetic:—Santos, Brazil; purchase (3942).
Calcium phosphate, tri-basic:—Kingston, Jamaica; purchase (3953).
Charcoal: — Recife, Brazil; purchase (4010).
Chemicals:—Bogota, Colombia; purchase (3996).
Dyes:—San Jose, Costa Rica; agency (3939).
Ethical preparations:—Buenos Aires, Argentina; agency (4024).
Glycerin:—Kingston, Jamaica; purchase (3950).
Gum arabic:—Caracas, Venezuela; purchase (4022).
Gum tragacanth:—Kingston, Jamaica; purchase (3953).
Insecticides:—San Jose, Costa Rica (3939).
Menthol:—Kingston, Jamaica; purchase (3953).
Oil, coconut:—Iquique, Chile; purchase (3943).
Oil, pine:—Iquique, Chile; purchase (3943).
Oil, sulphonated:—Mexico City, purchase (3995).
Pharmaceuticals: — Bogota, Colombia (3983).
Pharmaceuticals:—Buenos Aires, Argentina (4025).
Potash bichromate:—Izmir, Turkey; purchase (3945).
Potash caustic:—Kingston, Jamaica; purchase (3953).
Potash nitrate: — Caracas, Venezuela; purchase (4022).
Rosin:—Iquique, Chile: purchase (3943).
Soap, powdered: — Kingston, Jamaica; purchase (3953).
Soda, caustic:—Rio de Janeiro, Brazil (4023).
Soda, caustic:—Iquique, Chile; purchase (3943).
Soda silicate:—Iquique, Chile; purchase (3943).
Stearic acid:—Kingston, Jamaica; purchase (3953).
Sulphur: — Santos, Brazil; purchase (3942).
Sulphuric acid:—Santos, Brazil; purchase (3942).
Thymol:—Kingston, Jamaica; purchase (3953).
Veterinarian products:—San Jose, Costa Rica; agency (3939).

Milk powder specifications, for skimmed and whole varieties, have been revised by the Procurement Division of the Treasury Department. The new specifications (C-M-351b) will become effective December 31. Copies may be purchased from the Government Printing Office, Washington, at 5 cents each.

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COAL TAR PROCESSING
50 East 41st Street, New York, N. Y.

Wiley & Co., Inc.
Analytical and Consulting Chemists
Specializing in analysis of beverages, fertilizers, phosphates, wood pulp, coal and coke, feeding materials, etc.
Calvert and Read Streets, Baltimore, Md.

Flaxseed Expectations In Texas

—Continued from page 3

United States amounts to 7,000,000 to 8,000,000 bushels, thus requiring at the present time imports of seed, principally from Argentina and India, of 25,000,000 to 27,000,000 bushels.

Flax is planted and harvested in South Texas in very much the same manner as the small grain crops in other sections. Yields during the past year range from 8 to 15 bushels on dry land, and around 20 bushels in irrigated sections. It appears that this crop brings, on the average, about double the price of wheat.

It is generally conceded that flax has a definite place in Texas agriculture, but additional experimental work must be done in the direction of finding the best methods of sowing, whether in drills or rows, and methods of harvesting. Normally, flax can be harvested with a combine. However, Spring rains may cause the plants to revive and start blooming again. In some cases, it is necessary to windrow such acreages with a reaper or header, later threshing with a combine, with a pick-up attached. Additional study is being given to various methods and definite recommendations will be made within a short time.

With the exception of a small quantity of seed produced in the State last year, all seed for the 1938-39 planting were secured from North Dakota and Minnesota. However, a great deal of interest has been manifested by the growers this season and standards for certification have been promulgated by the State Seed and Plant Board. Tentative applications for inspection of acreages have been submitted from growers located between Brownsville and Houston, Texas, aggregating about 2,000 acres. An inspection of these acreages will be started shortly and within a short time Texas will be able to supply prospective growers with State certified flaxseed of the best quality at reasonable prices.

Oil Crushers Interested

Several Texas cottonseed-crushing companies also have interested themselves in the promotion of flax-growing, especially in the areas of governmentally reduced cotton-planting. The oil concerns turned to flax after some unsuccessful experimentation with soybeans in the cotton areas. The Taft Cotton Oil Company, Taft, distributed North Dakota seed to farmers in its territory two years ago, and last year offered a ready cash market for the seed and also assisted growers to equip themselves for harvesting. The Fidelity Products Company, Houston, and the South Texas Cotton Oil Company, Houston, also have interested themselves in the flax campaign.

These three companies crushed some of the Texas flaxseed this year. They have found that the flaxseed and cottonseed seasons overlap and that their crushing machinery is not well adapted for crushing flaxseed, and will install suitable crushers as the quantity of seed available for oil increases.

There is a feeling in Texas that expansion of flax-growing should not be effected too rapidly, because of doubt of what may be done with reference to seed and oil duties in the pending tariff bargain with Argentina. There is also a question whether the AAA will grant Texas flax-growers the privilege extended to some other flax-growing States; that of allowing flax to be grown on government-rented acreage without a penalty, provided it is followed by a cover crop and plowed under. The general belief is that this privilege will be extended with respect to one-half of the retired cotton acreage in Texas. If this is done, between 100,000 and 150,000 acres may be planted to flax this year—if the Argentine tariff bargain does not interpose a deterrent influence.

Last season's weather was not specially favorable for the Texas flax crop. The average yield of 10 bushels per acre may therefore be accepted as reasonable—yields ran as high as 28 bushels. Insects and plant diseases did not reach troublesome proportions in the past year, and the experiment stations do not expect weeds to be a serious factor for some time to come. So, a crop of around 10,000,000 bushels might be looked for next Spring. The oil content of Texas seed is reported to run well above the United States average, and the iodine number of the oil also is higher.

Ink for Oiled Stencils Perfected by B.of S.

OPD Washington Bureau
October 13, 1939

The Department of Commerce announced today that the National Bureau of Standards has developed a new formula for quick-drying ink for use on heavily oiled stencils. The formula is the result of experimentation by Dr. C. E. Waters, of the chemistry division of the bureau, and is a modification of one published last year.

The experimentation was conducted at the request of the Rural Electrification Administration, which uses a great many stencils made of "oil board" for marking poles and other equipment. In trying to stamp certain information on these stencils before sending them into the field, it was found that the ink ordinarily used with rubber stamps took about four hours to dry. There was no space available for spreading out the large number of stencils to allow the ink to dry, and they could not be stacked in piles without smearing. The REA has notified the Bureau of Standards that the new ink has proved most satisfactory for their purpose.

"WAR PROFITS DIDN'T STICK"

(Says Monsanto Chemical Company in Monsanto Magazine September, 1939)

Looking back to 1915, perhaps this was also your own experience — perhaps not — but

TODAY ONE FACT IS CERTAIN

If domestic materials buyers in various industries come to the belief that materials suppliers will pursue foreign sales opportunities before filling domestic requirements — fear of serious materials shortages will bring an abnormal buying surge.

Runaway Materials Markets will, in the final analysis, destroy the ultimate profit in any foreign business that may result from present world conditions.

TODAY MATERIALS BUYERS NEED ASSSURANCE MORE THAN THEY NEED SURPLUS INVENTORIES OF MATERIALS

Assure your customers that you can fill their normal requirements . . . that you'll endeavor strenuously to maintain the best possible service . . . that, if you can help it, there isn't going to be a runaway market — competitive rumors to the contrary . . . Tell them that you are out to maintain assurance and confidence in the Industries that you serve.

Tell them in the advertising pages of

OIL, PAINT AND DRUG REPORTER

The Chemical Market Authority Since 1871

— where they'll naturally look for sound information on materials markets.

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(Formerly Styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

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Six-hundred-sixty-seventh Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Aluminum Stearate

(Continued from October 9 issue)

Metallurgical

Lubricant and water-repellent in—
- Foundry parting powders for patterns and molds

Lubricant in—
- Extruding processes
- Metal stamping
- Moulding processes
- Wire drawing

Miscellaneous

Ingredient of—
- Antidimming composition (U.S. 1228885)
- Carbon paper coating and impregnating composition (U.S. 1292404)
- Coating composition (U.S. 1428272)
- Crayons
- Motion picture screen (U.S. 1151502)
- Sizing compositions (U.S. 1299663)
- Waterproofing processes (U.S. 1385854, 1397738, and Re-15465)

Ingredient of waterproofing agents for—

Canvas	Tarpaulin
Duck	Tents
Ropes	Truckcovers

Repellent of oil and water (U.S. 2025486) in—
- Impregnating compositions for fibrous and fabric materials

Shortening agent (U.S. 1894731) in—
- Stencil paper coating (phenol-tung oil-formaldehyde resinous coating)

Paint and Varnish

Flatting agent in—

Enamels	Paints
Lacquers	Varnishes

Increaser of—
- Solid content in paints (without increasing body)

Ingredient of—
- Paint (U.S. 1156119 and 1421625)
- Paint remover (U.S. 1156119)
- Paint vehicle (U.S. 1428273)
- Varnish (U.S. 1156119)

Softener for—
- Varnish films

Suspending agent for—
- Heavy pigments in ready-mixed paints (retards settling)

Thickener in—

Enamels	Paints
Lacquers	Varnishes

Water-repellent in—

Enamels	Paints
Lacquers	Varnishes

Special waterproofing preparations

Paper

Ingredient of—
- Defoaming agent for glue and paper-coating compositions (U.S. 1957513 and 1957514)
- Impregnating compositions for paper, cardboard, and boxboard (Brit. 454769)
- Paper filler (U.S. 1424306)
- Waterproofing for paper (U.S. 1370650)

Petroleum

Ingredient of—
- Mineral oil lubricating compositions (see, also, "Lubricants")

Pour-point depressant (Brit. 446716) in—
- Dewaxing oils

Photographic

Ingredient (U.S. 1361783) of—
- Motion picture film

Plastics

Antisticking agent and lubricant in—
- Plastic manufacture

Ingredient of—
- Phonograph record composition (U.S. 1276507, Re-14570)
- Plastics (U.S. 1280129)
- Electrical insulating material (U.S. 1280129)

Resins

Ingredient (U.S. 1156119) of—
- Solvent for resin

Rubber

Antisticking agent and lubricant in—
- Rubber molding

Process material (U.S. 1280129) in making—
- Substitutes for rubber

Soap

Ingredient (U.S. 1992692) of—
- Detergent compositions

Stone

Waterproofing agent for—
- Stone products and work

Water-repellent (U.S. 2008304) in—
- Sizing compositions for stone prior to painting

Textile

Dry lubricant (U.S. 1694148) for—
- Bobbins used in spinning machines

Ingredient of—
- Waterproofing compositions for yarn and fabrics

Betaindolylacetic Acid

Horticulture

Rooting stimulator for—
- Leafy and woody cuttings of many plants

Castanha de Cotia Oil

(An extracted oil from the kernels of castanha de cotia nuts, indigenous to Brazil)

Fats and Oils

Oil offering following properties—
- Acid value, 0.58 to 0.72
- Saponification value, 194.2 to 195.8.
- Iodine value (Hanus), 128.1 to 153.5 (?)
- Diene value, 32.8 to 33.9
- Unsaponifiable matter, 0.54 percent

Suggested for use as—
- Paint and varnish oil

6-Chlor-4-amino-1:3-diparachlorophenoxybenzene

Textile

Starting point (Brit. 488595) in making—
- Diazotized red dyes on cotton yarn by coupling on the fiber with—
  - Acetoacetic acid arylamides
  - 2:3-Hydroxynaphthoic acid arylamides

Dialphaethylhexyl Tartronate

Chemical

Starting point (Brit. 499879, 500032, 500033, and 500034) in making—
- Detergents
- Dispersing agents
- Emulsifying agents
- Leveling agents
- Penetrating agents

Dimethyldithiocarbamylmercaptocylcohexanone

Rubber

Accelerator (Brit. 491648) in—
- Vulcanizing processes

Dinonyl Peroxide

Fuel

Activating agent (Brit. 443562) for—
- Diesel motor fuels

Dodecyl Thiocyanothioacetate

Disinfectant

Claimed (Brit. 481733) as—
- Bactericide

Insecticide and Fungicide

Claimed (Brit. 481733) as—
- Insecticide
- Vermin exterminant

Mono(acetoxymethyl) Phthalate

Ceramic

Plasticizer (U.S. 2115709) in—
- Compositions, containing synthetic resins and cellulose esters or ethers, used as coatings for protecting and decorating ceramic products

Chemical

Plasticizer (U.S. 2115709) for—
- Cellulose esters or ethers
- Synthetic resins

Cosmetic

Plasticizer (U.S. 2115709) in—
- Nail enamels and lacquers containing cellulose esters or ethers as base material

Electrical

Plasticizer (U.S. 2115709) in—
- Insulating compositions, containing synthetic resins and cellulose esters or ethers, used for covering wire and in making electrical machinery and equipment

Glass

Plasticizer (U.S. 2115709) in—
- Compositions, containing synthetic resins and cellulose esters or ethers, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware

Glue and Adhesives

Plasticizer (U.S. 2115709) in—
- Adhesive compositions containing synthetic resins and cellulose esters or ethers

Leather

Plasticizer (U.S. 2115709) in—
- Compositions, containing synthetic resins and cellulose esters or ethers, used in the manufacture of artificial leather and as coatings for protecting and decorating leather and leather goods

Metal Fabricating

Plasticizer (U.S. 2115709) in—
- Coating compositions, containing synthetic resins and cellulose esters or ethers, used for protecting and decorating metallic articles

Miscellaneous

Plasticizer (U.S. 2115709) in—
- Coating compositions, containing synthetic resins and cellulose esters or ethers, used for protecting and decorating various articles

Paint and Varnish

Plasticizer (U.S. 2115709) in—
- Paints, varnishes, lacquers, enamels, and dopes containing synthetic resins and cellulose esters or ethers

Paper

Plasticizer (U.S. 2115709) in—
- Compositions, containing synthetic resins and cellulose esters or ethers, used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper or pulp

Photographic

Plasticizer (U.S. 2115709) in making—
- Films from cellulose esters or ethers

Plastics

Plasticizer (U.S. 2115709) in making—
- Laminated fiber products
- Molded products
- Plastics from or containing synthetic resins and cellulose esters or ethers

Resins

Plasticizer (U.S. 2115709) for—
- Synthetic resins

Plasticizer in making—
- Artificial resins from or containing cellulose esters or ethers

Rubber

Plasticizer (U.S. 2115709) in—
- Compositions, containing synthetic resins and cellulose esters or ethers, used as coatings for protecting and decorating rubber goods

Stone

Plasticizer (U.S. 2115709) in—
- Compositions, containing synthetic resins and cellulose esters or ethers, used as coatings for decorating and protecting artificial and natural stone

Textile

Plasticizer (U.S. 2115709) in—
- Compositions, containing cellulose esters or ethers, used in the manufacture of coated fabrics

Wood

Plasticizer (U.S. 2115709) in—
- Compositions, containing synthetic resins and cellulose esters or ethers, used as protective and decorative coatings on woodwork

---

Olivene

Refractory

Ingredient of—
- Refractories

Refractory material offering following properties—
- Neutral
- Reacts with silica, firebrick, or chrome at high temperatures (1520°C. to 1700°C.)

Starting point in making—
- Refractories

Paratoluene Sulphonbutylamide

Chemical

Melting-point depresser (Brit. 461237 and 501527) in—
- Spinning and extruding processes for superpolyamides

Phenylheptadecyl Ketone, Monochlorinated

Lubricant

Claimed (Brit. 481338 and 487642) as—
- Lubricant

Starting point (Brit. 481338 and 487642) in making—
- Extreme pressure lubricants by admixture in equal parts with Pennsylvania bright stock

---

Trimethylethyl-Lead

Petroleum

Antiknock agent (Brit. 498509) in—
- Gasoline engine fuels

5167 informative articles that have appear d in this department have been collected in a big book of universal usefulness to producers and users. **You Need It.** **$10** Postage paid in U. S. plus 39c postage elsewhere

Business Wants and Offers

Minimum rate (36 words), without display, $2.00 per insertion; 25c. for each additional 6 words
Payable in advance at 59 John Street, New York

Agencies Wanted

ESTABLISHED CINCINNATI firm covering Ohio and Louisville, Kentucky, would be interested in representing A-1 producers of pigments, oils, chemicals or other raw materials. BOX 553, Oil, Paint and Drug Reporter.

EXPERIENCED, SUCCESSFUL marketer wants non-competitive merchandise to sell in the New York district on exclusive agency basis. Correspondence solicited. References furnished. BOX 563, Oil, Paint and Drug Reporter.

Agents Wanted

HAVE OPENINGS agents Chicago, Cleveland, St. Louis. Pigments, resins. Write giving present representations. BOX 564, Oil, Paint and Drug Reporter.

Capital Offered

IF COLOR manufacturer wants capital, am willing to listen to any proposition. Know the business. BOX 548, Oil, Paint and Drug Reporter.

Equipment Offered

FROM PLANT liquidations: — Six 900 gals. closed, agitated jack. kettles; 3,000 pound jack. horiz., steel powder mixer, 20 h.p. motor driven; Tolhurst 32-inch rubber lined centrifugal; two 6-foot diameter Buffalo vacuum crystallizers; jacketed agitated vacuum stills, 25 to 2,000 gals., glass lined and steel; glass lined and steel storage tanks; 3 ft. by 15 ft. rotary vacuum dryer; Hardinge mill, 6 ft. by 36 in.; pebble and jar mills to 250 gals. capacity; filter presses to 36 in. square; Stedman 42 in. disintegrator; tablet machines, one-half in. to 2 in. single punch and rotary. Mixers, crushers, pulverizers, roller mills, etc. Send for complete listings. We buy your surplus machinery. Stein Equipment Corp., 426 Broome street, New York City.

Equipment Offered

FOR SALE.—Two 6x8 ft. pebble mills, 16x 40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

FOR SALE equipment of paint and varnish factory in Bronx consisting of two sets lead mixers, two roller mills motor driven, two agitators, varnish fires, etc. Factory 25 x 100, yard 75 x 100. Low rent. BOX 559, Oil, Paint and Drug Reporter.

Equipment Wanted

GRINDER, Prater blue streak, Number 50 with 50 or 75 h.p. motor. Small jacketed-drum dryer with complete accessory equipment. Rotary sifter, three separations. Detailed description required. BOX 567, Oil, Paint and Drug Reporter.

WANTED—For chemical plant, filter press, jacketed kettle, vacuum dryer, powder mixer, pulverizer. BOX 568, Oil, Paint and Drug Reporter.

Factories Offered

BRICK FACTORY—9,000 sq. ft., two story, elevator, concrete floors, good headroom, railroad siding, yard, 24-hour live steam available, unrestricted district, 15 minutes to Manhattan. Low rent. The R. L. Kraft Company, Woodworth Building. COrtlandt 7-9377.

Factories Wanted

WANTED TO PURCHASE: Small chemical factory, active or inactive, with room for expansion. Unrestricted section, metropolitan New York district. Give full details. BOX 565, Oil, Paint and Drug Reporter.

Glass Jars

AMBER JARS for sale, up to 350 gross of 4 oz. with 58 mm. gold lacquered wax pulp screw tops C.T. (Hazel-Atlas make); close-out price. Henry K. Fort Co., 2227 N. American street, Philadelphia, Pa.

Positions Vacant

WANTED:—A salesman about 35 with fundamental knowledge of chemistry and successful selling record of pigments or chemicals to paint or rubber trade. Good opening with whiting manufacturer in middlewestern territory. BOX 547, Oil, Paint and Drug Reporter.

WANTED:—Man qualified as buyer for a wholesale drug company. BOX 549, Oil, Paint and Drug Reporter.

EXPERIENCED and well trained chemist specializing in paint and varnish manufacturing who must also qualify as a production manager at our plant in Caracas. Applicant must be thoroughly familiar with the manufacture of oil varnishes of cellulose base and synthetic, of types suitable for wood and furniture, paints for buildings, also protective coatings and rust proof paints of various kinds and must be able to develop new types to be derived from the cheapest raw materials and use the most modern manufacturing methods. Place the offers to Dr. Kerpel, Apartado de correos, No. 1462, Caracas, Venezuela, South America, with wishes, curiculum vitae and copy of certificates.

CHEMIST WANTED: Experienced in the manufacture of pharmaceuticals and ointments. State full particulars in first letter. BOX 566, Oil, Paint and Drug Reporter.

Positions Wanted

PILL and tablet specialist, medicinal; efficient, practical and intelligent supervision of same, including general manufacture of all pharmaceutical, proprietary and veterinary preparations. Can furnish excellent references. BOX 560, Oil, Paint and Drug Reporter.

PURCHASING AGENT:—Five years experience in process industry buying chemicals, electrical and mechanical equipment, 36, Protestant, now employed with full responsibility is seeking field offering greater opportunity for advancement. BOX 561, Oil, Paint and Drug Reporter.

Services Offered

CHEMIST and chemical engineers—if you are now unemployed send your complete chronological record of education and experience to Chemist Advisory Council, 300 Madison avenue, New York City.

Services Wanted

CHEMIST WANTED with experience in the field of cellulose chemistry and in nitration and acetylization processes to advise new process. Fee or contingency basis. BOX 562, Oil, Paint and Drug Reporter.

Surplus Stock

HIGHER MARKETS.—sell now. Wanted—surplus or off-grade waxes, chemicals, greases, oils, botanicals, solvents, aromatics, gums, metals. Also, wastes, by-products, residues. Single lots. Entire plants. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0133.

WE PURCHASE any quantity surplus chemicals, colors, pigments, oils, waxes, drugs, pharmaceuticals, and all basic raw materials, as well as by-products, residues and wastes of all kinds. Entire plants bought. Eastern Color & Chemical Co., 143 Nassau street, New York City. COrtlandt 7-7441.

Varnish Fires

COMPLETE oil burning systems, specially adapted for varnish fires, tangential or central fired settings with "Carbofrax" domes or diffuser rings and pedestals carried in stock. Many years' experience in these installations. Otto Penzenstadler, BOX 48, Ridgewood Station, Brooklyn, N. Y.

IMPORTANT
Idle machinery ties up capital—takes up valuable space—and depreciates rapidly—turn yours into cash NOW! We want to buy Filter Presses, Kettles, Mixers, Dryers, Pulverizers, Grinders, etc.

THE WHEELS OF INDUSTRY ARE HUMMING!
Commodity prices are rising, production demands are increasing, modern process equipment is becoming scarce. "CONSOLIDATED" offers today real "BUYS" in ready-to-ship machinery and equipment at no increase in price, and no delays as YET,— and always backed by 21 years of experience and service to satisfied customers.

Consolidated Products Co., Inc. 13-18 Park Row :: :: New York, N.Y.
SHOPS 335 Doremus Ave., Newark, N.J.

Fertilizer Materials

Markets at Other Centers

—Continued from page 55

SUPERPHOSPHATE — Nominal quotations still stand at $8 per ton for run-of-pile and $8.50 for 16 percent milled and screened stocks, with buying restricted.

SAN FRANCISCO, Oct. 11.—The market eased off slightly. Fish meal dropped $2 per ton to $53. Ruling prices are:—

NITRATE OF SODA—Unchanged, at $29 per ton in bags of 100 pounds, and $28.30 in 200-pound bags.

SUPERPHOSPHATE—Domestic, 75c. per unit in bulk, and 85c. in bags. No foreign material in the market.

FISH MEAL—California sardine meal, f.a.s., is $2 lower at $53 per ton, f.o.b. plant.

TANKAGE—All grades unchanged. Unground fertilizer, $4 and 10c. per unit-ton, and dry rendered, ground, $62.50 per ton, f.o.b. cars, South San Francisco.

BONE MEAL.—From $30 to $35 per ton, delivered, Pacific Coast ports. Spot stocks are scarce.

Soda Nitrate Freights Lower

Albany, Oct. 10, 1939

The New York Public Service Commission has approved new commodity freight rates on the following:—

Of the New York Central on soda nitrate in bulk, barrels or boxes, carload, minimum weight 60,000 pounds, from Solvay to stations East Buffalo to Black Rock inclusive 13c. per hundredweight. Reductions, expires July 1, 1940, unless sooner cancelled, changed or modified. Effective November 4, 1939.

Barnsdall Oil Company has acquired all of the capital stock of the Nelson Development Company.

Paint Industries Show Exhibitors

—Continued from page 40

Shell Petroleum Corporation. Several sales and technical representatives will be in attendance at the booth to answer the questions of visitors.

Standard-Knapp Corporation

Booths 41 and 42

The Standard-Knapp Corporation will have on exhibition and demonstrate the operation of two of its latest model heavy duty, quickly adjustable labeling machines. The machines are especially designed for the paint industry, providing for rapid change to enable efficient low cost labeling of short runs of varying size cans. One of the machines will label half-gallon and gallon pails, the other will accommodate cans from a quart down to 1/32 gallon. Attending the exhibit will be A. E. Rideout, president; G. P. Schaefer, sales engineer; and F. P. Lonsdale, Roy Minor, C. W. Blackstone, and H. C. Selig.

Stroock & Wittenberg Corporation

Booths 13 and 14

The Stroock & Wittenberg Corporation has planned as its exhibit a display including both the natural and synthetic resins, accompanied by an attractive presentation of information and literature pertaining to a number of new developments in the resins field. Prominent in the display will be "Arofene" pure phenolic resins, "Aroplaz" alkyd resins and "Arochem" modified resins. A. J. Wittenberg, J. Saphier, E. C. Phillips, and W. A. Weismann will be on hand personally to greet old friends and to extend the company's welcome to all its guests.

Wilson & Bennett Manufacturing Company

Booth 36

An assortment of pails, drums and other metal containers for paint products will be shown in the exhibit of the Wilson & Bennett Manufacturing Company. Noticeable in the collection will be the brightly lithographed containers used by many of the prominent paint manufacturers.

Fritzsche Brothers Relocates Atlanta Branch Office

Fritzsche Brothers, Inc., essential oils and aromatic chemicals, this city, has moved its Atlanta branch office from 502 Standard building to 1603 William Oliver building in the same city. George R. Fellows is the representative in charge of the office.

Champion Paper & Fibre Company, Hamilton, Ohio, has named H. K. Randall and Alexander Thompson, jr., vice-presidents.

GUARANTEED
NEW AND REBUILT EQUIPMENT
FOR THE CHEMICAL AND PROCESS INDUSTRIES
FIRST
MACHINERY CORP.
FMC
9th St. & EAST RIVER DRIVE
NEW YORK CITY

Bundling Machine Described

Bundling packages on production line shipping is rapidly performed by a semi-automatic wire bundling machine that is operated with a minimum speed of fifteen ties per minute, recently developed by the Gerrard Company, Chicago. Experienced machine operators are unnecessary, and in some places women operate the machines. Wire is fed from coils and is tied in smooth wire knots passing United States postal regulations. Bundles of any size and shape can be wire-tied by the machine with a minimum of time, fuss and expense. A four-page, colored catalog on the wire-tying machine is obtainable from the Gerrard Company, 1721 South Richmond street, Chicago, by mentioning the REPORTER.

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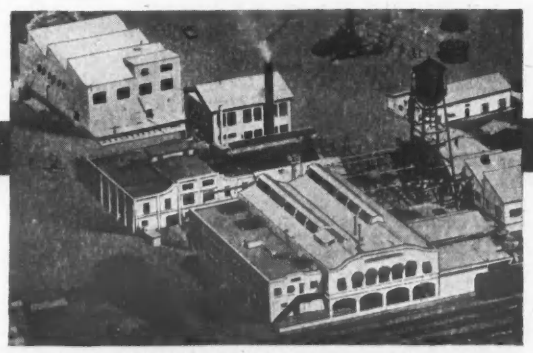

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NOTWITHSTANDING the fact that Givaudan has striven diligently, through the development of new processes and equipment, to reduce dependence on foreign sources of supply, there are still some important *basic raw materials* that can be obtained only from abroad. We began many months ago to build up our stock of these materials. In spite of this we may be faced with shortages. Delays and interruptions are to be expected under present conditions—higher prices are now being demanded by producers abroad—and in addition, war risk insurance and increases in ocean freight rates (totaling approximately 10% of the cargo value) have been added to the prices current in primary markets.

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During the past few weeks our facilities have been taxed to the utmost to take care of the tremendous volume of business created by the desire of manufacturers to cover, by outright purchase or contract, requirements for the next twelve months. Some buyers, recalling the scarcity and high prices of aromatic materials during the last war, have rushed to cover their needs for as far in advance as possible. Here we wish to point out that the aromatic chemical business today is in a much better position than it was in 1914-1918. At that time the country was almost entirely dependent on imports. Today we have experienced, well-developed and adequate manufacturing facilities, and there is ample evidence that the needs of industry can be met. Givaudan is endeavoring, through research and product development, to put the American aromatic chemical business on a self-sufficient basis. We pledge our continued effort to this end.

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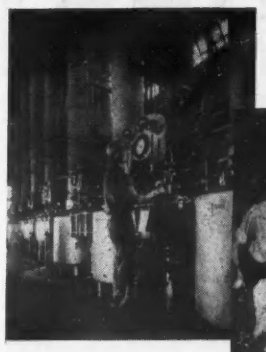

(Below) From the far corners of the globe—India, Java, Zanzibar—come essential raw materials for various aromatics.

(Above) Facilities such as these huge stills enable Givaudan to meet emergency demands.

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